CALIFORNIA DAIRY INDUSTRY STATISTICS

1980

MANUFACTURED DAIRY PRODUCTS,
MILK PRODUCTION,
UTILIZATION AND PRICES

BEST AVAILABLE COPY

STATE OF CALIFORNIA
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This Bulletin Was Prepared in the
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Division of Marketing Services
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FOREWORD

This is the thirty-seventh annual report on statistics affecting the Dairy Industry issued by the California Crop and Livestock Reporting Service. It contains a summary of statistical data for the year 1980 which was originally published in the "Dairy Information Bulletin," comparative figures for earlier years, and other special reports relating to the Dairy Industry. All changes from previously published data represent corrections of errors or revisions based on receipt of more complete information.

Most of the statistical data contained in this bulletin are based on reports filed by individuals and firms engaged in the production and distribution of milk and/or the manufacture of dairy products in California. Although it is not possible to list all of these reporters individually, we acknowledge their cooperation with appreciation.

Data pertaining to the United States and to states other than California were secured from various reports of the United States Department of Agriculture. Estimates of the population of California were obtained from reports of the California Department of Finance.

The invaluable assistance of the personnel of the Bureau of Milk Stabilization, Division of Marketing Services of the California Department of Food and Agriculture, in the compilation of data for this report is gratefully appreciated.

MILK COWS ON FARMS, PRODUCTION PER MILK COW, AND TOTAL PRODUCTION ON FARMS

On January 1, 1981, there were an estimated 909 thousand milk cows and heifers that had calved on farms in California. This was 31 thousand more than were estimated for January 1, 1980. The estimated number of cows milked during the year 1980 was 896 thousand. This compares with an average of 871 thousand head milked during the year 1979.

The average production of milk per cow in California during 1980 was 15,147 pounds. This was 723 pounds more than 1979. Total milk production during 1980 was 13,572 million pounds—8.0 percent more than produced during 1979.

Cash receipts from farm marketings of milk and cream in California during 1980 totaled approximately 1,771 million dollars. The Comparable figure for 1979 was 1,453 million dollars. Increased production plus higher prices were responsible for the increase in total cash receipts.

As of January 1, 1981, there was an estimated total of 10,869 thousand milk cows and heifers that had calved on farms throughout the United States. This was 90 thousand head or 0.8 percent more than the number estimated for January 1, 1980. The average number of cows milked during the year 1980 was 10,815 thousand head. This was 72 thousand head more than the average for 1979.

The average production of milk per cow in the United States during 1980 was 11,875 pounds. This was 387 pounds above the 1979 figure and established a new record high in production per cow. Total milk production during 1980 was 128,425 million pounds, 5,014 million pounds more than in 1979.

Cash receipts from marketings of milk and cream in the United States during 1980 totaled approximately 16,577 million dollars. The comparable figure for 1979 was 14,650 million dollars.

TABLE 1. ESTIMATED NUMBER OF MILK COWS ON FARMS, AVERAGE PRODUCTION PER MILK COW, TOTAL PRODUCTION ON FARMS, AND CASH RECEIPTS FROM FARM MARKETINGS OF DAIRY PRODUCTS, CALIFORNIA, 1962-1981

Year	Milk cows & heifers that have calved, on farms (thousands)		Average Production per milk cow (pounds)		Total Production on farms (million pounds)		Cash receipts from farm marketings of dairy products 2/
	Jan. 1 1/	Average during year	Milk	Milk Fat	Milk	Milk Fat	(thousand dollars)
1962	881	805	10,320	377	8,308	303	389,864
1963	881	798	10,400	380	8,299	303	387,084
1964	867	790	10,810	395	8,540	312	403,115
1965	858	783	10,830	395	8,480	310	403,233
1966	849	774	11,112	403	8,601	312	424,366
1967	841	765	11,375	413	8,702	316	443,121
1968	833	754	11,869	427	8,949	322	470,528
1969	816	746	11,928	431	8,898	321	477,054
1970	750	755	12,526	450	9,457	340	534,049
1971	758	763	12,726	458	9,710	350	560,925
1972	766	778	13,368	479	10,400	372	608,082
1973	789	792	13,045	470	10,332	372	692,976
1974	810	797	13,295	479	10,596	381	894,347
1975	800	800	13,566	492	10,853	394	997,202
1976	810	811	14,282	514	11,583	417	1,089,142
1977	809	827	14,472	517	11,968	427	1,182,467
1978	846	846	14,018	506	11,859	428	1,227,584
1979	860	871	14,424	512	12,563	446	1,453,330
1980	878	896	15,147	547	13,572	490	1,771,383
1981	909						

1/ Prior to January 1, 1970, Milk cows and heifers, two years old or older.

2/ All milk and cream.

California accounted for 10.6 percent of the milk produced in the United States during 1980 and received 10.7 percent of the cash receipts from farm marketings of milk and cream. California ranked third among the states in the average number of milk cows on farms during 1980. It ranked first in production of milk per cow; second in total milk production; and second in cash receipts from farm marketings of milk and cream. Wisconsin and New York had more cows. Wisconsin produced more milk, and Wisconsin received more from farm marketings of milk and cream.

Estimates of the number of milk cows and heifers that had calved on farms by county and by crop reporting district in California at the beginning of 1980 and of 1981 are given in Table 4. Of the total of 909 thousand head on farms in the state on January 1, 1981, approximately 54 percent were in the San Joaquin Valley, 31 percent in Southern California, and 7.0 percent in the Central Coast counties. The five leading counties were San Bernardino, Tulare, Stanislaus, Merced, and Riverside. Together these counties accounted for about 60.6 percent of all the milk cows in the state.

TABLE 2. ESTIMATED NUMBER OF MILK COWS ON FARMS, AVERAGE PRODUCTION PER MILK COW, TOTAL PRODUCTION ON FARMS, AND CASH RECEIPTS FROM FARM MARKETINGS OF DAIRY PRODUCTS, UNITED STATES, 1962-1981

	Milk cows & Heifers that have calved, on farms (thousands)		Average Production per milk cow (pounds)		Total Production on farms (million pounds)		Cash receipts from farm marketings of dairy products 2/
Year	Jan. 1 1/	Average during Year	Milk	Milk Fat	Milk	Milk Fat	(thousand dollars)
1962	18,963	16,842	7,496	280	126,251	4,718	4,859,636
1963	18,379	16,260	7,700	286	125,202	4,649	4,860,891
1964	17,647	15,677	8,099	300	126,967	4,699	5,026,833
1965	16,981	14,953	8,305	307	124,180	4,592	5,037,727
1966	15,973	14,071	8,522	314	119,912	4,426	5,533,398
1967	15,129	13,415	8,851	327	118,732	4,377	5,742,231
1968	14,456	12,832	9,135	335	117,225	4,305	5,957,282
1969	13,821	12,307	9,434	346	116,108	4,264	6,195,672
1970	13,303	12,000	9,747	357	116,962	4,283	6,525,163
1971	11,909	11,842	10,009	366	118,532	4,344	6,810,804
1972	11,778	11,698	10,250	377	119,904	4,408	7,134,676
1973	11,624	11,409	10,114	370	115,385	4,221	8,080,080
1974	11,286	11,219	10,300	378	115,553	4,238	9,430,140
1975	11,211	11,140	10,352	381	115,326	4,240	9,909,334
1976	11,087	11,055	10,879	399	120,269	4,406	11,428,455
1977	11,031	10,974	11,181	409	122,698	4,483	11,751,730
1978	10,939	10,841	11,218	412	121,609	4,462	12,689,783
1979	10,839	10,743	11,488	421	123,411	4,518	14,650,237
1980	10,779	10,815	11,875	434	128,425	4,692	16,576,634
1981	10,869						

1/ Prior to January 1, 1970, Milk cows and heifers, two years old or older.

2/ All milk and cream.

TABLE 3. ESTIMATED NUMBER OF MILK COWS ON FARMS, AVERAGE PRODUCTION PER MILK COW, TOTAL PRODUCTION ON FARMS, AND CASH RECEIPTS FROM FARM MARKETINGS OF DAIRY PRODUCTS, BY STATES - UNITED STATES 1980

State	Milk cows on farms 1/	Average Production per milk cow (pounds)		Total Production on farm (million pounds)		Cash receipts from farm marketings of dairy products 2/
	(thousands)	Milk	Milk Fat	Milk	Milk Fat	(thousand dollars)
Alabama	68	8,824	321	600	22	85,546
Alaska	1.1	11,364	407	12.5	0.4	2,118
Arizona	75	13,640	492	1,023	37	138,659
Arkansas	81	9,198	328	745	27	96,120
California	896	15,147	547	13,572	490	1,771,383
Colorado	71	12,085	434	858	31	116,407
Connecticut	49	12,592	452	617	22	84,352
Delaware	10.4	12,019	442	125	4.6	16,825
Florida	187	10,845	373	2,028	70	317,422
Georgia	130	10,515	381	1,367	49	188,440
Hawaii	13	11,692	402	152	5.2	27,071
Idaho	153	12,641	453	1,934	69	232,450
Illinois	233	10,901	404	2,540	94	323,403
Indiana	201	10,995	410	2,210	82	283,140
Iowa	376	10,926	401	4,108	151	504,000
Kansas	123	11,016	399	1,355	49	174,781
Kentucky	242	9,169	337	2,219	82	272,640
Louisiana	114	8,798	315	1,003	36	139,149
Maine	57	11,807	427	673	24	92,722
Maryland	123	12,358	460	1,520	57	205,181
Massachusetts	46	12,283	443	565	20	79,279
Michigan	395	12,582	462	4,970	182	647,491
Minnesota	862	11,061	403	9,535	347	1,173,660
Mississippi	98	8,337	306	817	30	111,645
Missouri	261	11,019	400	2,876	104	358,559
Montana	29	10,655	377	309	11	37,520
Nebraska	121	10,868	397	1,315	48	162,687
Nevada	15	14,600	512	219	7.7	27,178
New Hampshire	30	11,633	427	349	13	47,087
New Jersey	41	11,976	438	491	18	65,817
New Mexico	45	13,022	457	586	21	82,165
New York	911	12,026	434	10,956	396	1,401,172
North Carolina	134	12,172	442	1,631	59	220,716
North Dakota	93	9,753	348	907	32	102,542
Ohio	375	11,493	424	4,310	159	552,577
Oklahoma	111	10,000	359	1,110	40	148,617
Oregon	95	12,305	466	1,169	44	151,472
Pennsylvania	711	11,949	443	8,496	315	1,164,806
Rhode Island	4.1	11,463	412	47	1.7	6,375
South Carolina	48	11,188	427	537	21	77,401
South Dakota	159	10,497	379	1,669	60	203,903
Tennessee	214	10,472	390	2,241	83	287,262
Texas	317	11,407	404	3,616	128	503,037
Utah	77	13,338	473	1,027	36	127,449
Vermont	188	12,202	445	2,294	84	302,016
Virginia	172	11,622	421	1,999	72	262,941
Washington	201	14,637	536	2,942	108	378,095
West Virginia	37	9,459	348	350	13	44,864
Wisconsin	1,815	12,285	458	22,298	832	2,760,617
Wyoming	12	11,000	394	132	4.7	15,875
UNITED STATES 3/	10,815	11,875	434	128,425	4,692	16,576,634

1/ Average number during year, heifers that have not freshened excluded.

2/ All milk and cream.

3/ State totals may not add to U.S. total because of rounding.

TABLE 4. ESTIMATED NUMBER OF MILK COWS AND HEIFERS THAT HAVE CALVED ON FARMS JANUARY 1, BY COUNTIES AND DISTRICTS, CALIFORNIA, 1980-1981

County and District	1980	1981
Del Norte	2,000	1,900
Humboldt	15,200	13,500
Mendocino	1,000	800
North Coast	18,200	16,200
Shasta	1,000	1,300
Siskiyou	3,000	2,200
Trinity	---	---
North Central	4,000	3,500
Lassen	400	250
Modoc	150	100
Plumas	50	---
North East	600	350
Alameda	50	---
Contra Costa	2,000	2,400
Lake	50	50
Marin	12,600	14,000
Monterey	4,200	4,300
Napa	2,250	2,000
San Benito	1,300	1,100
San Francisco	---	---
San Luis Obispo	2,100	2,200
San Mateo	50	50
Santa Clara	4,700	4,100
Santa Cruz	600	600
Sonoma	36,000	33,000
Central Coast	65,900	63,800
Butte	2,200	1,900
Colusa	500	500
Glenn	13,000	13,500
Sacramento	24,000	21,400
Solano	1,200	1,100
Sutter	1,000	1,400
Tehama	3,000	3,100
Yolo	400	500
Yuba	1,400	1,400
Sacramento Valley	46,700	44,800

County and District	1980	1981
Fresno	53,500	51,500
Kern	21,000	20,000
Kings	50,000	51,000
Madera	16,000	16,500
Merced	79,000	82,000
San Joaquin	59,000	59,000
Stanislaus	94,000	102,000
Tulare	104,500	114,000
San Joaquin Valley	477,000	496,000
Alpine	---	---
Amador	50	50
Calaveras	100	50
El Dorado	100	100
Inyo	50	50
Mariposa	450	400
Mono	50	50
Nevada	---	---
Placer	450	450
Sierra	---	---
Tuolumne	150	100
Sierra Mountain	1,400	1,250
Imperial	700	500
Los Angeles	11,000	5,300
Orange	300	300
Riverside	81,000	90,000
San Bernardino	143,500	163,000
San Diego	18,700	16,000
Santa Barbara	6,000	5,000
Ventura	3,000	3,000
Southern California	264,200	283,100
STATE	878,000	909,000

COMMERCIAL PRODUCTION

Approximately 13,516 million pounds of milk were produced commercially in California during 1980. Of this amount, 12,998 million pounds were received as market grade milk and 518 million pounds were received as manufacturing grade milk. Between 1979 and 1980, the total commercial production increased 8.2 percent. Production of market grade milk increased 8.0 percent while the production of manufacturing grade milk was up 12.7 percent. Market grade milk accounted for 96.2 percent of all commercial production in 1980 compared to 96.3 percent in 1979 and 90.7 percent ten years earlier (1970).

The average milk-fat content of all milk received at plants from producers in California during 1980, was 3.60 percent. That received as market milk contained an average of 3.60 percent milk fat while that received as manufacturing grade milk contained an average of 3.68 percent milk fat.

The commercial production of all milk fat in California during 1980 amounted to approximately 487 million pounds, 10.0 percent more than was produced during 1979. Market milk fat amounted to 96.1 percent of production in 1980 compared to 96.2 percent in 1979. Between 1979 and 1980, the production of market milk fat rose 9.9 percent, while that of manufacturing milk fat increased 12.8 percent.

The San Joaquin Valley accounted for 54.8 percent of all milk produced commercially in the state during 1980. It accounted for 54.3 percent of the market milk and 69.0 percent of the manufacturing milk. Approximately 31.9 percent of all milk and 33.1 percent of the market milk was produced in Southern California. The five leading counties in market milk production in the order of their importance during 1980 were: San Bernardino, Tulare, Riverside, Stanislaus, and Merced. These five counties accounted for 60.9 percent of the state total production of market milk. The five leading counties in manufacturing milk production were: Stanislaus, Merced, Humboldt, San Joaquin, and Glenn. These counties accounted for 80.4 percent of the state total of manufacturing milk production. The five leading counties in total milk production were: San Bernardino, Tulare, Stanislaus, Riverside, and Merced. They accounted for 60.8 percent of the state total production during 1980.

TABLE 5. COMMERCIAL PRODUCTION OF MILK FAT, AVERAGE MILK-FAT TEST, AND WHOLE MILK, CALIFORNIA, 1963-1980

	Milk fat (thousand pounds)			Average milk-fat test (percent)			Whole milk (thousand pounds)		
	Market	Manufacturing	Total	Market	Manufacturing	Total	Market	Manufacturing	Total
1963	246,003	50,670	296,673	3.63	3.78	3.65	6,777,198	1,341,422	8,118,620
1964	267,607	37,292	304,899	3.62	3.78	3.64	7,393,886	985,389	8,379,275
1965	268,332	36,537	304,869	3.64	3.76	3.66	7,367,524	971,570	8,339,094
1966	274,577	32,697	307,274	3.62	3.78	3.63	7,591,503	865,655	8,457,158
1967	277,547	33,115	310,662	3.61	3.78	3.63	7,685,955	876,187	8,562,142
1968	287,023	30,715	317,738	3.59	3.77	3.60	8,002,052	815,387	8,817,439
1969	287,435	30,081	317,516	3.61	3.76	3.62	7,970,766	799,438	8,770,204
1970	303,336	32,395	335,731	3.58	3.74	3.59	8,481,432	865,027	9,346,459
1971	309,103	36,549	345,652	3.59	3.73	3.60	8,614,289	979,836	9,594,125
1972	327,371	41,940	369,311	3.57	3.69	3.59	9,163,369	1,136,171	10,299,540
1973	335,933	32,646	368,579	3.59	3.71	3.60	9,354,250	879,237	10,233,487
1974	351,133	26,748	377,881	3.59	3.69	3.60	9,776,188	724,765	10,500,953
1975	364,795	25,960	390,755	3.63	3.73	3.63	10,060,384	695,507	10,755,891
1976	390,950	22,562	413,512	3.59	3.75	3.60	10,886,279	602,087	11,488,366
1977	405,943	18,958	424,901	3.57	3.71	3.57	11,377,410	510,659	11,888,069
1978	408,311	16,816	425,127	3.60	3.76	3.61	11,329,087	447,648	11,776,735
1979	426,183	16,881	443,064	3.54	3.67	3.55	12,029,199	459,453	12,488,652
1980	468,324	19,050	487,374	3.60	3.68	3.60	12,998,001	517,997	13,515,998
1977									
January	33,439	1,466	34,905	3.81	3.90	3.81	877,756	37,565	915,321
February	30,223	1,292	31,515	3.68	3.77	3.69	820,560	34,242	854,802
March	34,112	1,570	35,682	3.63	3.75	3.64	939,473	41,902	981,375
April	33,288	1,639	34,927	3.50	3.63	3.51	950,665	45,163	995,828
May	35,049	1,797	36,846	3.48	3.63	3.49	1,005,975	49,521	1,055,496
June	33,435	1,777	35,212	3.42	3.59	3.43	976,377	49,500	1,025,877
July	34,356	1,799	36,155	3.38	3.57	3.39	1,015,816	50,459	1,066,275
August	34,229	1,754	35,983	3.43	3.60	3.44	998,555	48,761	1,047,316
September	33,470	1,551	35,021	3.51	3.72	3.52	952,212	41,712	993,924
October	34,852	1,531	36,383	3.60	3.76	3.61	967,093	40,744	1,007,837
November	34,013	1,452	35,465	3.69	3.89	3.69	922,856	37,320	960,176
December	35,477	1,330	36,807	3.73	3.94	3.74	950,072	33,770	983,842
1978									
January	35,618	1,296	36,914	3.84	3.92	3.84	928,385	33,067	961,452
February	31,870	1,200	33,070	3.80	3.83	3.80	839,487	31,301	870,788
March	34,891	1,545	36,436	3.70	3.79	3.70	943,045	40,795	983,840
April	33,931	1,498	35,429	3.63	3.76	3.64	934,778	39,852	974,630
May	34,492	1,521	36,013	3.52	3.71	3.52	981,384	41,011	1,022,395
June	32,927	1,489	34,416	3.42	3.63	3.43	961,677	41,016	1,002,693
July	34,308	1,549	35,857	3.41	3.60	3.42	1,005,079	43,031	1,048,110
August	34,321	1,493	35,814	3.44	3.64	3.45	998,267	41,068	1,039,335
September	33,947	1,389	35,336	3.55	3.76	3.56	955,720	36,941	992,661
October	34,231	1,399	35,630	3.56	3.75	3.56	962,391	37,272	999,663
November	33,331	1,226	34,557	3.67	3.87	3.68	907,780	31,655	939,435
December	34,444	1,211	35,655	3.78	3.95	3.79	911,094	30,639	941,733
1979									
January	34,650	1,166	35,816	3.78	3.87	3.78	917,734	30,107	947,841
February	31,487	1,096	32,583	3.74	3.78	3.74	841,886	28,999	870,885
March	35,191	1,354	36,545	3.64	3.70	3.64	967,952	36,649	1,004,601
April	34,469	1,487	35,956	3.52	3.61	3.53	977,799	41,163	1,018,962
May	35,670	1,540	37,210	3.40	3.56	3.41	1,047,950	43,232	1,091,182
June	34,580	1,545	36,125	3.35	3.51	3.36	1,031,942	43,998	1,075,940
July	35,997	1,564	37,561	3.36	3.52	3.36	1,071,589	44,503	1,116,092
August	36,910	1,545	38,455	3.34	3.56	3.40	1,085,844	43,391	1,129,235
September	35,568	1,403	36,971	3.46	3.67	3.47	1,027,722	38,241	1,065,963
October	37,290	1,459	38,749	3.54	3.72	3.54	1,054,322	39,180	1,093,502
November	36,626	1,351	37,977	3.69	3.89	3.70	992,667	34,726	1,027,393
December	37,745	1,371	39,116	3.73	3.89	3.74	1,011,792	35,264	1,047,056
1980									
January	38,243	1,269	39,512	3.77	3.85	3.77	1,014,994	32,966	1,047,960
February	36,327	1,296	37,623	3.78	3.79	3.78	960,850	34,235	995,085
March	38,785	1,640	40,425	3.71	3.72	3.71	1,046,680	44,080	1,090,760
April	38,095	1,688	39,783	3.57	3.61	3.57	1,068,761	46,808	1,115,569
May	39,745	1,751	41,496	3.49	3.55	3.49	1,139,069	49,289	1,188,358
June	38,705	1,725	40,430	3.46	3.54	3.47	1,117,692	48,690	1,166,382
July	39,770	1,793	41,563	3.46	3.54	3.46	1,150,354	50,667	1,201,021
August	39,893	1,740	41,633	3.46	3.57	3.47	1,152,392	48,749	1,201,141
September	39,389	1,626	41,015	3.55	3.68	3.55	1,109,830	44,114	1,153,944
October	40,256	1,641	41,897	3.62	3.75	3.62	1,113,181	43,738	1,156,919
November	38,918	1,471	40,389	3.70	3.82	3.70	1,052,867	38,479	1,091,346
December	40,198	1,410	41,608	3.75	3.90	3.76	1,071,331	36,182	1,107,513

TABLE 6. COMMERCIAL PRODUCTION OF MILK AND MILK FAT, BY COUNTIES AND DISTRICTS, CALIFORNIA, 1980

County and District	Milk (thousand pounds)			Milk Fat (thousand pounds)			Milk Fat (percent) 1/		
	Market	Manufacturing	Total	Market	Manufacturing	Total	Market	Manufacturing	Total
Del Norte	9,648	11,542	21,190	371	496	867	3.85	4.30	4.10
Humboldt	121,249	59,538	180,787	4,887	2,608	7,495	4.03	4.38	4.15
Mendocino	10,044	---	10,044	427	---	427	4.25	---	4.25
North Coast	140,941	71,080	212,021	5,685	3,104	8,789	4.03	4.37	4.15
Shasta	16,676	32	16,708	606	1	607	3.64	3.89	3.64
Siskiyou	31,318	46	31,364	1,195	2	1,197	3.82	3.52	3.82
Trinity	---	---	---	---	---	---	---	---	---
North Central	47,994	78	48,072	1,801	3	1,804	3.75	3.68	3.75
Lassen	2,560	---	2,560	95	---	95	3.72	---	3.72
Modoc	---	---	---	---	---	---	---	---	---
Plumas	---	---	---	---	---	---	---	---	---
North East	2,560	---	2,560	95	---	95	3.72	---	3.72
Alameda	---	44	44	---	2	2	---	3.25	3.25
Contra Costa	34,433	172	34,605	1,246	6	1,252	3.62	3.72	3.62
Lake	---	---	---	---	---	---	---	---	---
Marin	202,545	2,357	204,902	7,275	81	7,356	3.59	3.44	3.59
Monterey	58,663	1,515	60,178	2,133	54	2,187	3.64	3.54	3.63
Napa	27,275	165	27,440	992	7	999	3.64	4.11	3.64
San Benito	17,025	449	17,474	630	16	646	3.70	3.57	3.70
San Francisco	---	---	---	---	---	---	---	---	---
San Luis Obispo	34,779	73	34,852	1,258	2	1,260	3.62	3.18	3.62
San Mateo	---	---	---	---	---	---	---	---	---
Santa Clara	63,879	399	64,278	2,233	14	2,247	3.50	3.57	3.50
Santa Cruz	5,282	3,104	8,386	198	108	306	3.75	3.48	3.65
Sonoma	466,205	9,608	475,813	16,930	346	17,276	3.63	3.61	3.63
Central Coast	910,086	17,886	927,972	32,895	636	33,531	3.61	3.56	3.61
Butte	22,174	3,327	25,501	828	119	947	3.74	3.57	3.71
Colusa	6,583	159	6,742	244	6	250	3.70	3.81	3.70
Glenn	160,701	33,370	194,071	6,036	1,257	7,293	3.76	3.77	3.76
Sacramento	256,154	16,014	272,168	9,505	594	10,099	3.71	3.71	3.71
Solano	14,748	358	15,106	534	13	547	3.62	3.59	3.62
Sutter	15,391	2,678	18,069	556	102	658	3.62	3.83	3.65
Tehama	26,465	9,093	35,558	995	334	1,329	3.76	3.68	3.74
Yolo	6,288	19	6,307	232	1	233	3.69	3.85	3.69
Yuba	19,722	1,572	21,294	787	59	846	3.99	3.75	3.97
Sacramento Valley	528,226	66,590	594,816	19,717	2,485	22,202	3.73	3.73	3.73
Fresno	754,778	8,856	763,634	27,314	311	27,625	3.62	3.52	3.62
Kern	302,808	711	303,519	10,812	25	10,837	3.57	3.58	3.57
Kings	776,502	2,752	779,254	27,843	98	27,941	3.59	3.56	3.59
Madera	247,917	3,090	251,007	8,869	111	8,980	3.58	3.58	3.58
Merced	1,144,815	103,398	1,248,213	42,158	3,680	45,838	3.68	3.56	3.67
San Joaquin	872,295	39,199	911,494	31,932	1,397	33,329	3.66	3.56	3.66
Stanislaus	1,250,741	181,142	1,431,883	45,752	6,358	52,110	3.66	3.51	3.64
Tulare	1,707,073	18,442	1,725,515	61,376	669	62,045	3.60	3.63	3.60
San Joaquin Vly	7,056,929	357,590	7,414,519	256,056	12,650	268,706	3.63	3.54	3.62
Alpine	---	---	---	---	---	---	---	---	---
Amador	---	---	---	---	---	---	---	---	---
Calaveras	---	---	---	---	---	---	---	---	---
El Dorado	1,084	---	1,084	39	---	39	3.57	---	3.57
Inyo	---	---	---	---	---	---	---	---	---
Mariposa	---	---	---	---	---	---	---	---	---
Mono	---	---	---	---	---	---	---	---	---
Nevada	---	---	---	---	---	---	---	---	---
Placer	8,498	---	8,498	300	---	300	3.54	---	3.54
Sierra	---	---	---	---	---	---	---	---	---
Tuolumne	---	---	---	---	---	---	---	---	---
Sierra Mountain	9,582	---	9,582	339	---	339	3.54	---	3.54
Imperial	6,913	---	6,913	259	---	259	3.74	---	3.74
Los Angeles	132,175	603	132,778	4,740	21	4,761	3.59	3.50	3.59
Orange	---	---	---	---	---	---	---	---	---
Riverside	1,341,118	1,654	1,342,772	47,396	59	47,455	3.53	3.59	3.53
San Bernardino	2,468,849	2,306	2,471,155	87,090	83	87,173	3.53	3.58	3.53
San Diego	232,992	204	233,196	8,058	7	8,065	3.46	3.31	3.46
Santa Barbara	74,778	6	74,784	2,758	---	2,758	3.69	3.68	3.69
Ventura	44,858	---	44,858	1,434	---	1,434	3.20	---	3.20
So. California	4,301,683	4,773	4,306,456	151,735	170	151,905	3.53	3.56	3.53
State	12,998,001	517,997	13,515,998	468,323	19,048	487,371	3.60	3.68	3.61

1/ Computed from data before rounding to thousands of pounds.

TABLE 7. COMMERCIAL PRODUCTION OF ALL MILK, BY COUNTIES AND DISTRICTS, CALIFORNIA, 1980 (Pounds)

County and District	January	February	March	April	May	June	July	August	September	October	November	December
Del Norte	1,277,156	1,248,662	1,593,333	1,801,975	2,159,685	2,204,478	2,214,078	2,105,670	1,885,023	1,794,171	1,540,696	1,365,510
Humboldt	8,750,668	9,059,224	14,009,054	18,071,870	20,742,162	19,852,051	19,424,402	17,821,952	15,555,924	14,338,420	12,372,382	10,789,468
Mendocino	714,721	751,702	802,840	841,512	1,038,004	662,176	842,007	838,057	797,437	1,285,745	736,663	732,473
North Coast	10,742,545	11,059,588	16,405,227	20,715,357	23,939,851	22,718,705	22,480,487	20,765,679	18,238,384	17,418,336	14,649,741	12,887,451
Shasta	1,406,636	1,319,275	1,393,574	1,430,151	1,496,324	1,373,848	1,412,312	1,451,205	1,376,406	1,372,651	1,318,147	1,357,670
Siskiyou	2,576,236	2,399,762	2,578,634	2,578,035	2,860,713	2,772,074	2,831,709	2,760,026	2,486,818	2,483,164	2,417,031	2,620,003
Trinity	---	---	---	---	---	---	---	---	---	---	---	---
North Central	3,982,872	3,719,037	3,972,208	4,008,186	4,357,037	4,145,922	4,244,021	4,211,231	3,863,224	3,855,815	3,735,178	3,977,673
Lassen	202,361	178,140	209,086	212,849	202,065	221,742	223,771	226,287	201,340	232,748	231,372	218,721
Modoc	---	---	---	---	---	---	---	---	---	---	---	---
Plumas	---	---	---	---	---	---	---	---	---	---	---	---
North East	202,361	178,140	209,086	212,849	202,065	221,742	223,771	226,287	201,340	232,748	231,372	218,721
Alameda	---	---	---	---	44,577	---	---	---	---	---	---	---
Contra Costa	2,558,525	2,480,099	2,720,762	2,910,966	3,163,440	3,091,362	3,152,341	3,129,910	2,844,304	2,9 8,856	2,758,091	2,875,466
Lake	---	---	---	---	---	---	---	---	---	---	---	---
Marin	16,385,689	15,703,108	17,025,520	16,838,575	18,002,429	16,994,283	17,650,354	18,001,069	17,054,421	17,104,438	16,798,849	17,343,337
Monterey	4,703,736	4,374,890	4,816,462	4,991,084	5,498,228	5,340,926	5,122,911	5,279,648	5,010,989	5,170,084	4,884,419	4,984,881
Napa	2,301,323	2,087,840	2,303,047	2,243,255	2,387,895	2,275,579	2,370,686	2,391,237	2,240,419	2,283,522	2,228,573	2,325,955
San Benito	1,289,766	1,201,391	1,278,628	1,333,643	1,525,345	1,627,925	1,638,453	1,639,667	1,535,103	1,520,710	1,428,688	1,454,547
San Francisco	---	---	---	---	---	---	---	---	---	---	---	---
San Luis Obispo	2,701,504	2,615,902	2,905,586	2,869,283	3,122,157	2,975,225	3,115,863	3,107,547	2,945,338	3,033,433	2,740,233	2,720,007
San Mateo	---	---	---	---	---	---	---	---	---	---	---	---
Santa Clara	5,372,816	5,310,226	5,722,007	5,862,197	5,441,260	5,326,674	5,478,188	5,356,016	5,076,304	5,152,028	4,950,931	5,229,418
Santa Cruz	676,285	616,958	730,489	723,848	743,607	699,324	714,432	694,374	671,171	708,111	714,677	693,171
Sonoma	37,834,599	36,078,236	39,935,863	41,519,232	41,037,257	40,167,949	41,550,001	40,610,288	39,314,648	40,173,864	38,237,334	39,353,377
Central Coast	73,824,243	70,468,650	77,438,364	79,292,085	80,966,195	78,499,247	80,793,229	80,209,776	76,692,697	78,065,051	74,741,795	76,980,159
Butte	1,833,236	1,843,339	2,045,230	2,203,578	2,562,790	2,203,094	2,220,561	2,120,593	1,973,503	2,247,159	1,900,883	2,346,986
Colusa	483,690	481,005	542,569	576,422	590,402	568,778	580,988	618,405	568,194	584,480	563,455	583,477
Glenn	13,685,394	13,803,080	15,936,723	16,757,412	17,760,010	17,126,634	17,348,795	17,694,442	16,597,187	16,308,008	15,419,856	15,633,349
Sacramento	20,577,262	19,945,959	21,596,352	22,073,923	23,895,339	24,170,113	25,063,729	24,747,996	23,667,815	23,034,457	21,608,073	21,787,289
Solano	1,157,993	1,062,457	1,149,944	1,168,540	1,283,485	1,308,751	1,402,285	1,417,328	1,353,759	1,322,804	1,264,723	1,213,920
Sutter	1,344,936	1,298,404	1,446,698	1,528,656	1,658,455	1,648,330	1,725,856	1,621,782	1,529,988	1,513,448	1,332,291	1,420,633
Tehama	2,615,219	2,476,729	2,820,716	2,896,536	3,225,977	3,106,764	3,458,476	3,213,104	3,015,563	3,123,497	2,871,956	2,733,116
Yolo	530,741	520,084	570,573	557,407	541,418	504,413	529,251	512,349	491,644	506,848	502,627	539,234
Yuba	1,499,453	1,439,247	1,673,060	1,786,244	1,920,427	1,897,910	1,967,270	2,041,165	1,849,523	1,803,750	1,642,934	1,673,082
Sacramento Valley	43,727,924	42,870,304	47,781,865	49,548,718	53,438,303	52,534,787	54,297,211	54,087,164	51,047,176	50,444,451	47,106,798	47,931,086

TABLE 7. Continued

County and District	January	February	March	April	May	June	July	August	September	October	November	December
Fresno	59,136,233	56,207,343	62,023,252	62,918,559	66,156,704	66,669,005	68,835,903	69,306,540	65,347,578	65,239,888	61,060,369	60,752,619
Kern	23,352,771	24,249,118	26,706,395	26,106,999	26,684,155	26,132,383	24,999,281	25,749,654	25,011,011	25,100,649	23,705,209	23,721,908
Kings	63,294,865	61,633,135	55,616,491	64,378,777	67,659,706	66,557,169	68,763,099	68,548,280	65,216,307	64,400,638	60,369,216	60,816,677
Madera	16,751,452	17,362,143	19,591,998	19,582,379	21,082,932	20,910,127	21,950,914	22,377,445	23,074,434	22,713,229	21,564,372	21,525,556
Merced	93,607,078	89,391,908	97,737,588	100,192,943	106,425,013	106,831,282	111,537,412	113,872,891	109,634,183	109,572,419	103,352,533	105,467,880
San Joaquin	70,137,800	67,086,421	73,918,360	74,412,578	80,892,036	79,517,271	82,185,457	32,211,791	77,428,846	77,451,038	72,183,481	74,067,246
Stanislaus	109,434,908	104,313,432	114,662,401	115,834,372	126,383,665	123,763,545	129,542,133	130,249,005	123,058,258	122,392,786	115,662,635	116,365,532
Tulare	132,071,863	125,965,380	138,730,631	143,428,763	152,587,958	151,815,916	152,956,873	152,256,826	146,719,935	146,900,415	139,881,438	142,175,717
San Joaquin Valley	573,800,970	546,432,080	599,027,616	606,855,370	647,902,169	642,196,699	660,841,072	664,572,432	635,540,552	633,771,112	598,279,253	604,893,135
Alpine	---	---	---	---	---	---	---	---	---	---	---	---
Amador	---	---	---	---	---	---	---	---	---	---	---	---
Calaveras	---	---	---	---	---	---	---	---	---	---	---	---
El Dorado	84,223	82,508	90,360	95,828	97,672	87,786	98,098	93,033	90,252	91,937	84,924	87,463
Inyo	---	---	---	---	---	---	---	---	---	---	---	---
Mariposa	---	---	---	---	---	---	---	---	---	---	---	---
Mono	---	---	---	---	---	---	---	---	---	---	---	---
Nevada	---	---	---	---	---	---	---	---	---	---	---	---
Placer	153,739	146,346	678,943	773,743	790,845	883,219	909,553	959,177	833,998	861,811	707,023	799,556
Sierra	---	---	---	---	---	---	---	---	---	---	---	---
Tuolumne	---	---	---	---	---	---	---	---	---	---	---	---
Sierra Mountain	237,962	228,854	769,303	869,571	888,517	971,005	1,007,651	1,052,210	924,250	953,748	791,947	887,019
Imperial	518,444	546,364	629,051	703,146	759,130	688,422	573,907	473,641	488,527	531,742	461,711	539,197
Los Angeles	10,974,898	10,015,842	10,636,544	11,702,501	12,178,035	11,287,127	11,479,468	11,397,718	10,811,203	10,937,942	10,497,150	10,859,959
Orange	---	---	---	---	---	---	---	---	---	---	---	---
Riverside	108,575,291	102,751,690	110,418,700	112,698,780	119,719,022	113,999,657	118,765,250	113,975,475	112,161,000	112,964,767	106,962,645	109,780,303
San Bernardino	193,273,982	179,682,251	194,340,611	199,193,975	212,898,049	209,371,254	215,591,299	219,544,280	214,090,013	217,571,321	205,720,041	209,877,511
San Diego	18,617,556	17,432,204	19,106,276	19,431,130	20,401,081	19,687,861	20,487,605	20,417,314	20,151,080	20,037,851	18,553,522	18,872,034
Santa Barbara	5,781,450	5,844,537	6,342,586	6,433,134	6,716,569	6,568,684	6,912,254	6,673,524	5,976,367	6,026,447	5,727,929	5,779,911
Ventura	3,592,704	3,455,576	3,682,400	3,904,617	3,991,904	3,491,062	3,323,680	3,534,469	3,757,710	4,107,587	3,887,444	4,028,561
Southern California	351,534,325	319,728,464	345,156,168	354,067,283	376,663,790	365,094,067	377,133,463	376,016,421	367,435,900	372,177,657	351,810,442	359,737,476
STATE	1,047,959,702	995,085,117	1,090,759,837	1,115,569,419	1,188,357,927	1,166,382,174	1,201,020,905	1,201,141,180	1,153,943,523	1,156,918,918	1,091,346,526	1,107,512,720

TABLE 8. COMMERCIAL PRODUCTION OF MARKET MILK, BY COUNTIES AND DISTRICTS, CALIFORNIA, 1980 (Pounds)

County and District	January	February	March	April	May	June	July	August	September	October	November	December
Del Norte	770,316	762,177	847,562	849,453	925,075	926,174	878,915	818,519	768,951	742,090	696,616	662,314
Humboldt	6,991,573	7,167,444	9,420,819	11,522,833	13,081,000	12,513,696	12,284,278	11,559,866	10,262,176	9,723,649	8,671,067	8,051,136
Mendocino	714,721	751,702	802,840	841,512	1,038,004	662,176	842,007	838,057	797,437	1,285,745	736,663	732,473
North Coast	8,476,610	8,681,323	11,071,221	13,213,798	15,044,079	14,102,046	14,005,200	13,216,442	11,828,564	11,751,484	10,104,346	9,445,923
Shasta	1,383,197	1,319,275	1,393,574	1,430,151	1,496,324	1,373,848	1,412,312	1,442,147	1,376,406	1,372,651	1,318,147	1,357,670
Siskiyou	2,576,236	2,199,762	2,568,909	2,561,551	2,860,713	2,772,074	2,831,709	2,760,026	2,467,256	2,483,164	2,417,031	2,620,003
Trinity	---	---	---	---	---	---	---	---	---	---	---	---
North Central	3,959,433	3,719,037	3,962,483	3,991,702	4,357,037	4,145,922	4,244,021	4,202,173	3,843,662	3,855,815	3,735,178	3,977,673
Lassen	202,361	178,140	209,086	212,849	202,065	221,742	223,771	226,287	201,340	232,748	231,372	218,721
Modoc	---	---	---	---	---	---	---	---	---	---	---	---
Plumas	---	---	---	---	---	---	---	---	---	---	---	---
North East	202,361	178,140	209,086	212,849	202,065	221,742	223,771	226,287	201,340	232,748	231,372	218,721
Alameda	---	---	---	---	---	---	---	---	---	---	---	---
Contra Costa	2,558,525	2,480,099	2,597,696	2,875,868	3,163,440	3,091,362	3,152,341	3,129,910	2,844,304	2,918,856	2,758,091	2,861,949
Lake	---	---	---	---	---	---	---	---	---	---	---	---
Marin	16,204,488	15,545,234	16,882,538	16,697,762	17,809,928	16,790,400	17,400,957	17,765,626	16,825,268	16,882,501	16,587,264	17,152,877
Monterey	4,664,804	4,328,219	4,765,259	4,896,631	5,295,411	5,157,746	5,107,331	5,126,440	4,887,417	4,983,541	4,693,739	4,755,287
Napa	2,287,737	2,073,323	2,283,346	2,223,291	2,369,902	2,261,426	2,356,411	2,381,470	2,231,793	2,274,246	2,219,038	2,312,712
San Benito	1,229,383	1,136,879	1,278,628	1,333,645	1,525,345	1,536,794	1,547,017	1,565,378	1,471,801	1,516,599	1,428,688	1,454,547
San Francisco	---	---	---	---	---	---	---	---	---	---	---	---
San Luis Obispo	2,701,504	2,615,902	2,905,516	2,869,283	3,049,289	2,975,225	2,115,863	3,107,547	2,945,338	3,033,438	2,740,233	2,720,007
San Mateo	---	---	---	---	---	---	---	---	---	---	---	---
Santa Clara	5,372,816	5,310,226	5,722,007	5,351,725	5,321,754	5,289,380	5,478,158	5,323,419	5,076,304	4,981,135	4,922,551	5,229,418
Santa Cruz	427,364	388,119	438,609	422,316	443,145	415,897	438,959	453,457	448,674	462,626	477,952	459,217
Sonoma	37,187,020	35,357,952	38,911,800	40,540,247	39,716,706	39,417,949	40,611,908	39,851,781	38,690,228	39,554,789	37,635,795	38,728,783
Central Coast	72,633,641	69,236,153	75,786,069	77,716,768	78,695,920	76,936,179	79,208,975	78,705,028	75,421,127	76,607,731	73,463,351	75,674,797
Butte	1,587,034	1,608,807	1,746,974	1,872,442	2,201,615	1,861,993	1,858,552	1,856,606	1,727,659	1,979,837	1,717,894	2,154,548
Colusa	471,372	470,863	524,293	562,103	574,994	554,028	580,988	599,397	551,184	569,135	550,581	573,808
Glenn	11,703,699	11,682,144	13,346,255	13,916,231	14,616,139	13,995,489	14,062,807	14,304,269	13,658,932	13,549,238	12,853,199	13,011,922
Sacramento	19,742,934	18,967,691	20,467,085	20,539,229	22,588,933	22,798,303	23,395,553	23,276,708	21,830,704	21,638,154	20,419,759	20,489,312
Solano	1,157,993	1,040,942	1,019,792	994,474	1,257,338	1,308,751	1,396,190	1,417,328	1,353,759	1,322,804	1,264,723	1,213,920
Sutter	1,155,586	1,115,617	1,138,780	1,254,344	1,367,308	1,375,223	1,451,511	1,419,070	1,348,588	1,349,799	1,195,001	1,220,423
Tehama	1,903,445	1,738,164	1,990,643	1,975,506	2,241,419	2,159,636	2,474,178	2,466,101	2,356,572	2,489,024	2,309,418	2,310,584
Yolo	530,741	515,448	570,573	557,407	541,418	504,413	529,251	512,349	491,644	506,848	488,573	539,234
Yuba	1,425,668	1,363,609	1,578,247	1,667,937	1,805,510	1,775,904	1,774,580	1,862,303	1,734,667	1,681,212	1,556,008	1,496,161
Sacramento Valley	39,678,472	38,553,285	42,382,642	43,339,673	47,195,174	46,333,740	47,523,610	47,714,131	45,053,709	45,086,051	42,355,156	43,009,912

TABLE 8. Continued

County and District	January	February	March	April	May	June	July	August	September	October	November	December
Fresno	58,809,875	55,568,049	60,197,769	62,237,310	65,515,564	65,346,968	67,510,201	68,330,478	65,027,051	64,812,542	60,850,288	60,572,472
Kern	25,332,750	24,249,118	26,706,395	25,918,166	26,684,155	26,078,133	24,936,842	25,749,654	24,782,146	24,951,754	23,705,209	23,714,247
Kings	65,142,426	61,034,875	65,542,173	64,204,002	67,361,203	66,333,039	68,307,672	68,202,780	65,180,453	64,222,536	60,264,867	60,706,073
Madera	18,442,225	17,747,834	19,385,517	19,089,207	20,453,569	20,736,831	21,753,392	22,147,724	22,917,123	22,543,761	21,408,197	21,291,711
Merced	85,863,043	82,011,958	89,013,355	90,988,268	97,648,321	97,968,455	102,452,529	104,267,384	100,418,163	100,605,485	95,777,017	97,800,686
San Joaquin	67,802,555	64,314,954	70,809,672	71,707,897	77,687,023	75,389,664	78,479,157	78,887,108	74,145,749	73,625,024	68,696,907	70,748,515
Stanislaus	96,688,954	91,488,513	99,907,071	100,398,395	109,924,680	107,712,602	112,423,677	113,387,203	107,767,148	106,687,875	101,475,432	102,879,649
Tulare	130,342,667	124,357,922	136,336,504	141,950,496	151,181,641	150,725,729	151,348,963	150,711,656	145,326,025	145,551,544	138,313,508	140,926,114
San Joaquin Valley	548,424,495	520,773,223	567,398,456	576,493,741	616,456,156	610,291,421	627,212,433	631,683,987	605,563,858	603,000,521	570,491,425	578,639,467
Alpine	---	---	---	---	---	---	---	---	---	---	---	---
Amador	---	---	---	---	---	---	---	---	---	---	---	---
Calaveras	---	---	---	---	---	---	---	---	---	---	---	---
El Dorado	84,223	82,508	90,360	95,828	97,672	87,786	98,098	93,033	90,252	91,937	84,924	87,463
Inyo	---	---	---	---	---	---	---	---	---	---	---	---
Mariposa	---	---	---	---	---	---	---	---	---	---	---	---
Mono	---	---	---	---	---	---	---	---	---	---	---	---
Nevada	---	---	---	---	---	---	---	---	---	---	---	---
Placer	153,739	146,346	678,943	773,743	790,845	883,219	909,553	959,177	833,998	861,811	707,023	799,556
Sierra	---	---	---	---	---	---	---	---	---	---	---	---
Tuolumne	---	---	---	---	---	---	---	---	---	---	---	---
Sierra Mountain	237,962	228,854	769,303	869,571	888,517	971,005	1,007,651	1,052,210	924,250	953,748	791,947	887,019
Imperial	518,444	546,364	629,051	703,146	759,130	688,422	573,907	473,641	488,527	531,742	461,711	539,197
Los Angeles	10,974,898	10,015,842	10,636,544	11,099,174	12,178,035	11,287,127	11,479,468	11,397,718	10,811,203	10,937,942	10,497,150	10,859,959
Orange	---	---	---	---	---	---	---	---	---	---	---	---
Riverside	108,565,038	102,653,696	110,344,264	112,558,745	119,582,210	113,844,563	118,652,078	113,745,948	112,059,313	112,589,586	106,949,585	109,572,977
San Bernardino	193,236,599	179,531,964	193,859,608	198,813,860	212,670,258	209,122,633	215,498,874	219,399,561	213,760,053	217,500,421	205,617,248	209,837,899
San Diego	18,617,556	17,432,204	19,106,276	19,410,708	20,331,966	19,687,861	20,487,605	20,366,753	20,140,173	19,999,017	18,553,522	18,858,653
Santa Barbara	5,775,384	5,844,537	6,342,586	6,433,134	6,716,569	6,568,684	6,912,254	6,673,524	5,976,367	6,026,447	5,727,929	5,779,911
Ventura	3,692,704	3,455,576	3,682,400	3,904,617	3,991,904	3,491,062	3,323,680	3,534,469	3,757,710	4,107,587	3,887,444	4,028,561
Southern California	341,380,623	319,480,183	344,600,729	352,923,384	376,230,072	364,690,352	376,927,866	375,591,614	366,993,346	371,692,742	351,694,589	359,477,157
STATE	1,014,993,597	960,850,198	1,046,679,989	1,068,761,486	1,139,069,020	1,117,692,407	1,150,353,527	1,152,391,872	1,109,829,856	1,113,180,840	1,052,867,364	1,071,330,669

TABLE 9. COMMERCIAL PRODUCTION OF MANUFACTURING MILK, BY COUNTIES AND DISTRICTS, CALIFORNIA, 1980 (pounds)

County and District	January	February	March	April	May	June	July	August	September	October	November	December
Del Norte	506,840	486,485	745,771	952,522	1,234,610	1,278,304	1,335,163	1,287,151	1,116,072	1,052,081	844,080	703,196
Humboldt	1,759,095	1,891,780	4,588,235	6,549,037	7,661,162	7,338,355	7,140,124	6,262,086	5,293,748	4,614,171	3,701,315	2,738,332
Mendocino	---	---	---	---	---	---	---	---	---	---	---	---
North Coast	2,265,935	2,378,265	5,334,006	7,501,559	8,895,772	8,616,659	8,475,287	7,549,237	6,409,820	5,666,852	4,545,395	3,441,528
Shasta	23,439	---	---	---	---	---	---	9,058	---	---	---	---
Siskiyou	---	---	9,725	16,484	---	---	---	---	19,562	---	---	---
Trinity	---	---	---	---	---	---	---	---	---	---	---	---
North Central	23,439	---	9,725	16,484	---	---	---	9,058	19,562	---	---	---
Lassen	---	---	---	---	---	---	---	---	---	---	---	---
Modoc	---	---	---	---	---	---	---	---	---	---	---	---
Plumas	---	---	---	---	---	---	---	---	---	---	---	---
North East	---	---	---	---	---	---	---	---	---	---	---	---
Alameda	---	---	---	---	44,577	---	---	---	---	---	---	---
Contra Costa	---	---	23,066	35,098	---	---	---	---	---	---	---	13,517
Lake	---	---	---	---	---	---	---	---	---	---	---	---
Marin	181,201	157,874	142,902	140,813	192,501	203,883	249,397	235,443	229,153	221,937	211,585	190,460
Monterey	38,932	46,671	50,603	84,453	201,817	183,180	15,580	153,208	123,572	186,543	190,680	229,594
Napa	13,586	14,317	19,701	19,964	17,993	14,153	14,275	9,767	8,626	9,276	9,535	13,243
San Benito	60,383	64,512	---	---	---	91,131	91,436	74,289	63,302	4,111	---	---
San Francisco	---	---	---	---	---	---	---	---	---	---	---	---
San Luis Obispo	---	---	---	---	72,868	---	---	---	---	---	---	---
San Mateo	---	---	---	---	---	---	---	---	---	---	---	---
Santa Clara	---	---	---	10,472	119,506	37,294	---	32,597	---	170,893	28,380	---
Santa Cruz	248,921	228,839	291,880	295,532	300,462	283,427	275,473	240,917	222,497	245,485	236,725	233,954
Sonoma	647,579	720,284	1,024,063	978,985	1,320,551	750,000	938,093	758,507	624,420	619,075	601,539	624,594
Central Coast	1,190,602	1,232,497	1,652,295	1,575,317	2,270,275	1,563,068	1,584,254	1,504,728	1,271,570	1,457,320	1,278,444	1,305,362
Butte	246,202	234,532	298,256	331,136	361,175	341,101	362,009	263,987	245,844	267,322	182,989	192,438
Colusa	12,318	10,142	18,276	14,319	15,408	14,750	---	19,008	17,010	15,345	12,874	9,669
Glenn	1,981,695	2,120,936	2,590,468	2,841,181	3,143,871	3,131,145	3,285,988	3,390,173	2,938,255	2,758,770	2,566,657	2,621,427
Sacramento	834,328	978,268	1,129,267	1,534,694	1,306,406	1,371,810	1,668,176	1,471,288	1,837,111	1,396,303	1,188,314	1,297,977
Solano	---	21,515	130,152	174,066	25,647	---	6,095	---	---	---	---	---
Sutter	189,350	182,787	307,918	274,312	291,147	273,107	274,345	202,712	181,400	163,649	137,290	200,210
Tehama	711,774	688,565	830,073	921,030	984,558	947,128	984,298	747,003	658,991	634,473	562,538	422,532
Yolo	---	4,636	---	---	---	---	---	---	---	---	14,054	---
Yuba	73,785	75,638	94,813	118,307	114,917	122,006	192,690	278,862	114,856	122,538	86,926	176,921
Sacramento Valley	4,049,452	4,317,019	5,399,223	6,209,045	6,243,129	6,201,047	6,773,601	6,373,033	5,993,467	5,358,400	4,751,642	4,921,174

TABLE 9. Continued

County and District	January	February	March	April	May	June	July	August	September	October	November	December
Fresno	326,358	539,494	1,825,483	681,249	671,140	1,322,038	1,375,702	976,062	320,527	427,346	210,081	180,147
Kern	20,021	---	---	188,833	---	54,250	62,439	---	228,865	148,895	---	7,661
Kings	152,439	598,260	74,318	174,775	298,503	224,130	455,427	345,500	35,854	178,152	104,349	110,604
Madera	309,227	134,309	206,481	493,172	629,363	173,296	197,522	229,721	157,311	159,468	156,175	233,845
Merced	7,744,035	7,379,950	8,744,233	9,204,675	8,776,692	8,862,827	9,104,883	9,605,507	9,266,020	8,966,934	8,075,516	7,667,194
San Joaquin	2,335,245	2,771,467	3,109,188	2,704,681	3,205,013	4,127,607	3,706,300	3,324,683	3,283,097	3,826,014	3,436,574	3,318,731
Stanislaus	12,765,954	13,024,919	14,755,330	15,435,977	16,458,985	16,050,943	17,118,456	16,861,802	15,291,110	15,704,911	14,187,203	13,485,883
Tulare	1,729,196	1,610,458	2,414,127	1,478,267	1,406,317	1,090,187	1,607,910	1,545,170	1,393,910	1,348,871	1,567,930	1,249,603
San Joaquin Valley	25,382,475	26,058,857	31,129,160	30,361,629	31,446,013	31,905,278	33,628,639	32,888,445	29,976,694	30,770,591	27,787,828	26,253,668
Alpine	---	---	---	---	---	---	---	---	---	---	---	---
Amador	---	---	---	---	---	---	---	---	---	---	---	---
Calaveras	---	---	---	---	---	---	---	---	---	---	---	---
El Dorado	---	---	---	---	---	---	---	---	---	---	---	---
Inyo	---	---	---	---	---	---	---	---	---	---	---	---
Mariposa	---	---	---	---	---	---	---	---	---	---	---	---
Mono	---	---	---	---	---	---	---	---	---	---	---	---
Nevada	---	---	---	---	---	---	---	---	---	---	---	---
Placer	---	---	---	---	---	---	---	---	---	---	---	---
Sierra	---	---	---	---	---	---	---	---	---	---	---	---
Tuolumne	---	---	---	---	---	---	---	---	---	---	---	---
Sierra Mountain	---	---	---	---	---	---	---	---	---	---	---	---
Imperial	---	---	---	---	---	---	---	---	---	---	---	---
Los Angeles	---	---	---	603,327	---	---	---	---	---	---	---	---
Orange	---	---	---	---	---	---	---	---	---	---	---	---
Riverside	10,253	97,994	74,436	140,035	136,812	155,094	113,172	229,527	101,687	375,181	13,060	207,326
San Bernardino	37,383	150,287	481,003	380,115	227,791	248,621	92,425	144,719	329,960	70,900	102,793	39,612
San Diego	---	---	---	20,422	69,115	---	---	50,561	10,907	38,834	---	13,381
Santa Barbara	6,066	---	---	---	---	---	---	---	---	---	---	---
Ventura	---	---	---	---	---	---	---	---	---	---	---	---
Southern California	53,702	248,281	555,439	1,143,899	433,718	403,715	205,597	424,807	442,554	484,915	115,853	260,319
STATE	32,965,605	34,234,919	44,079,848	46,807,933	49,288,907	48,689,767	50,667,378	48,749,308	44,113,667	43,738,078	38,479,162	36,182,051

TABLE 10. COMMERCIAL PRODUCTION OF ALL MILK FAT, BY COUNTIES AND DISTRICTS, CALIFORNIA, 1980 (Pounds)

County and District	January	February	March	April	May	June	July	August	September	October	November	December
Del Norte	52,145	50,574	65,552	72,476	84,869	87,965	88,917	86,941	77,823	77,223	66,481	57,336
Humboldt	377,128	374,252	572,409	715,408	820,137	794,237	780,444	739,066	663,363	627,708	549,979	481,016
Mendocino	30,558	31,594	33,644	34,864	42,156	27,229	35,271	36,112	34,500	55,824	32,531	32,575
North Coast	459,831	456,420	671,605	822,748	947,162	909,431	904,632	862,119	775,686	760,755	648,991	570,927
Shasta	55,189	50,127	51,223	49,454	49,996	48,475	50,084	51,870	50,720	50,958	48,846	50,899
Siskiyou	94,910	93,704	101,516	100,131	106,999	103,858	102,919	101,309	94,386	95,952	96,934	104,047
Trinity	---	---	---	---	---	---	---	---	---	---	---	---
North Central	150,099	143,831	152,739	149,585	156,995	152,333	153,003	153,179	145,106	146,910	145,780	154,946
Lassen	7,680	6,782	7,789	7,770	7,212	8,030	7,980	8,185	7,576	8,847	8,921	8,472
Modoc	---	---	---	---	---	---	---	---	---	---	---	---
Plumas	---	---	---	---	---	---	---	---	---	---	---	---
North East	7,680	6,782	7,789	7,770	7,212	8,030	7,980	8,185	7,576	8,847	8,921	8,472
Alameda	---	---	---	---	1,448	---	---	---	---	---	---	---
Contra Costa	99,955	94,863	100,964	107,879	112,481	106,317	108,591	109,720	101,860	104,394	99,966	105,269
Lake	---	---	---	---	---	---	---	---	---	---	---	---
Marin	607,271	570,090	606,648	577,707	615,431	590,531	619,324	646,950	624,181	630,666	620,164	647,340
Monterey	177,993	166,313	177,082	176,167	194,096	187,323	177,819	187,635	182,199	191,222	181,152	187,651
Napa	85,501	77,431	84,349	80,037	83,108	80,720	84,761	85,599	81,603	83,424	83,196	88,945
San Benito	50,676	45,664	48,103	47,819	54,643	57,099	57,274	58,629	56,672	56,498	55,430	57,557
San Francisco	---	---	---	---	---	---	---	---	---	---	---	---
San Luis Obispo	104,827	100,381	107,574	102,064	108,463	102,354	107,202	108,364	104,722	109,523	101,206	103,351
San Mateo	---	---	---	---	---	---	---	---	---	---	---	---
Santa Clara	189,554	188,253	199,409	197,950	184,250	180,931	185,940	185,125	181,583	183,726	178,282	192,408
Santa Cruz	25,422	22,700	26,339	25,878	26,056	24,325	25,060	25,723	25,435	26,580	26,498	26,056
Sonoma	1,412,902	1,323,004	1,446,453	1,450,021	1,424,152	1,404,827	1,459,509	1,467,614	1,456,924	1,499,348	1,439,385	1,491,851
Central Coast	2,754,101	2,588,699	2,796,921	2,765,522	2,804,128	2,734,427	2,825,480	2,875,359	2,815,179	2,885,381	2,785,279	2,900,428
Butte	71,961	71,173	77,294	80,447	90,927	77,501	76,605	75,188	72,117	85,096	74,157	94,464
Colusa	19,371	18,888	20,726	21,276	20,451	20,130	20,759	21,960	20,080	21,584	21,184	23,025
Glenn	542,259	540,250	609,143	617,619	640,446	617,825	625,039	636,952	614,655	621,240	605,120	622,615
Sacramento	804,661	774,364	814,062	808,673	857,046	855,170	885,418	888,264	867,302	863,139	827,686	852,544
Solano	44,291	40,651	42,930	41,378	44,443	44,898	47,875	49,731	49,254	48,652	47,149	45,811
Sutter	51,966	49,516	53,633	54,970	56,728	57,008	60,389	56,672	55,222	55,697	51,297	55,801
Tehama	104,283	96,606	107,341	106,106	115,389	110,653	122,539	114,522	111,020	117,696	112,235	110,734
Yolo	18,976	19,041	20,861	20,094	19,720	18,455	18,982	18,666	18,697	19,246	19,448	20,569
Yuba	63,243	60,075	67,785	69,901	72,894	71,534	73,823	80,561	73,046	73,488	68,978	70,742
Sacramento Valley	1,721,011	1,670,564	1,813,775	1,820,464	1,918,044	1,873,174	1,931,429	1,942,516	1,881,393	1,905,838	1,827,254	1,896,305

TABLE 10. Continued

County and District	January	February	March	April	May	June	July	August	September	October	November	December
Fresno	2,288,212	2,144,513	2,341,463	2,247,042	2,309,217	2,281,434	2,364,058	2,381,213	2,324,245	2,353,435	2,274,601	2,315,358
Kern	941,441	910,925	984,275	923,929	928,582	899,954	860,980	860,440	872,719	896,775	868,836	888,303
Kings	2,478,113	2,318,129	2,433,654	2,291,896	2,352,654	2,275,686	2,359,209	2,317,035	2,279,645	2,303,153	2,228,041	2,303,571
Madera	712,843	671,964	720,523	690,719	727,657	717,053	737,063	765,150	816,466	816,288	794,761	809,554
Merced	3,598,407	3,440,245	3,666,609	3,649,637	3,764,627	3,754,408	3,919,181	4,012,624	3,988,494	4,058,848	3,911,395	4,073,220
San Joaquin	2,682,391	2,555,880	2,745,743	2,696,008	2,858,966	2,801,918	2,876,555	2,912,108	2,804,072	2,843,444	2,703,328	2,848,765
Stanislaus	4,177,767	3,983,028	4,267,272	4,194,771	4,442,153	4,324,186	4,509,007	4,557,707	4,425,335	4,476,898	4,310,927	4,441,540
Tulare	5,009,908	4,753,432	5,171,847	5,145,352	5,322,534	5,193,751	5,263,239	5,184,291	5,119,008	5,277,740	5,210,356	5,393,290
San Joaquin Valley	21,889,082	20,778,116	22,331,386	21,839,354	22,706,390	22,248,390	22,889,302	22,990,568	22,629,982	23,026,581	22,302,245	23,073,601
Alpine	—	—	—	—	—	—	—	—	—	—	—	—
Amador	—	—	—	—	—	—	—	—	—	—	—	—
Calaveras	—	—	—	—	—	—	—	—	—	—	—	—
El Dorado	3,110	3,055	3,126	3,292	3,379	3,053	3,400	3,207	3,214	3,336	3,111	3,307
Inyo	—	—	—	—	—	—	—	—	—	—	—	—
Mariposa	—	—	—	—	—	—	—	—	—	—	—	—
Mono	—	—	—	—	—	—	—	—	—	—	—	—
Nevada	—	—	—	—	—	—	—	—	—	—	—	—
Placer	6,142	5,589	25,089	27,845	27,539	30,824	30,117	32,612	29,071	30,077	25,546	30,133
Sierra	—	—	—	—	—	—	—	—	—	—	—	—
Tuolumne	—	—	—	—	—	—	—	—	—	—	—	—
Sierra Mountain	9,252	8,644	28,315	31,137	30,918	33,877	33,517	35,819	32,285	33,413	28,657	33,440
Imperial	20,461	21,155	23,547	25,523	26,515	24,167	21,177	16,852	18,091	20,572	18,518	21,881
Los Angeles	412,997	380,818	398,020	408,978	419,961	384,811	394,280	391,934	383,354	399,242	385,744	401,055
Orange	—	—	—	—	—	—	—	—	—	—	—	—
Riverside	3,978,010	3,851,707	4,043,808	3,943,005	4,108,560	3,903,111	4,060,307	3,881,653	3,892,759	4,006,993	3,845,573	3,940,039
San Bernardino	7,083,396	6,723,301	7,110,753	6,942,008	7,315,781	7,155,020	7,314,636	7,446,581	7,424,909	7,665,749	7,403,625	7,586,940
San Diego	679,397	643,018	679,054	662,231	684,069	660,231	677,803	679,650	677,567	687,554	655,253	678,982
Santa Barbara	221,297	226,970	241,983	238,212	243,656	235,963	248,402	240,736	215,434	220,335	212,003	213,216
Ventura	125,530	122,482	124,853	126,071	127,115	106,998	100,548	107,718	115,117	128,902	120,881	127,939
Southern California	12,521,088	11,969,451	12,622,018	12,346,028	12,925,657	12,470,301	12,817,155	12,765,124	12,727,231	13,129,347	12,641,597	12,970,052
STATE	39,512,144	37,622,507	40,424,548	39,782,608	41,496,506	40,429,963	41,562,498	41,632,869	41,014,438	41,897,072	40,388,724	41,608,171

TABLE 11. COMMERCIAL PRODUCTION OF MARKET MILK FAT, BY COUNTIES AND DISTRICTS, CALIFORNIA, 1980 (Pounds)

County and District	January	February	March	April	May	June	July	August	September	October	November	December
Del Norte	30,214	30,259	34,229	32,508	33,765	34,140	32,600	31,365	28,994	29,981	27,922	25,838
Humboldt	294,187	292,446	377,633	446,450	503,292	486,321	478,507	463,473	421,899	409,566	368,927	344,194
Mendocino	30,558	31,594	33,644	34,864	42,156	27,229	35,271	36,112	34,500	55,824	32,531	32,575
North Coast	354,959	354,299	445,506	513,822	579,233	547,690	546,378	530,950	485,393	495,371	429,380	402,597
Shasta	54,228	50,127	51,223	49,454	49,996	48,475	50,084	51,566	50,720	50,958	48,846	50,899
Siskiyou	94,910	93,704	101,163	99,533	106,999	103,858	102,919	101,309	93,724	95,952	96,934	104,047
Trinity	---	---	---	---	---	---	---	---	---	---	---	---
North Central	149,138	143,831	152,386	148,987	156,995	152,333	153,003	152,875	144,444	146,910	145,780	154,946
Lassen	7,680	6,782	7,789	7,770	7,212	8,030	7,980	8,185	7,576	8,847	8,921	8,472
Modoc	---	---	---	---	---	---	---	---	---	---	---	---
Plumas	---	---	---	---	---	---	---	---	---	---	---	---
North East	7,680	6,782	7,789	7,770	7,212	8,030	7,980	8,185	7,576	8,847	8,921	8,472
Alameda	---	---	---	---	---	---	---	---	---	---	---	---
Contra Costa	99,955	94,863	96,429	106,618	112,481	106,317	108,591	109,720	101,860	104,394	99,966	104,685
Lake	---	---	---	---	---	---	---	---	---	---	---	---
Marin	600,800	564,679	601,952	573,044	608,943	583,679	610,857	639,187	616,289	622,727	612,515	640,500
Monterey	176,439	164,476	175,232	172,977	187,045	180,671	177,297	182,317	177,903	184,685	174,451	179,462
Napa	84,918	76,845	83,551	79,210	82,374	80,139	84,171	85,218	81,274	83,034	82,794	88,390
San Benito	48,465	43,313	48,103	47,819	54,643	53,966	54,129	55,967	54,303	56,346	55,430	57,557
San Francisco	---	---	---	---	---	---	---	---	---	---	---	---
San Luis Obispo	104,827	100,381	107,574	102,064	106,143	102,354	107,202	108,364	104,722	109,523	101,206	103,351
San Mateo	---	---	---	---	---	---	---	---	---	---	---	---
Santa Clara	189,554	188,253	199,409	197,557	180,032	179,579	185,940	183,961	181,583	177,603	177,289	192,408
Santa Cruz	16,272	14,639	16,369	15,597	15,751	14,679	15,939	17,244	17,509	17,955	18,294	17,763
Sonoma	1,389,554	1,297,779	1,411,180	1,416,261	1,378,441	1,378,509	1,425,829	1,439,574	1,433,054	1,475,698	1,416,120	1,467,524
Central Coast	2,710,784	2,545,228	2,739,799	2,711,147	2,725,853	2,679,893	2,769,955	2,821,552	2,768,497	2,831,965	2,738,065	2,851,640
Butte	62,595	62,555	66,646	69,153	78,721	65,997	64,354	65,917	63,244	74,866	67,148	87,045
Colusa	18,859	18,479	20,017	20,740	19,880	19,584	20,759	21,279	19,455	20,992	20,681	22,644
Glenn	462,056	457,723	511,831	515,038	527,888	505,062	506,741	513,261	504,233	513,851	502,028	516,633
Sacramento	770,889	736,192	771,839	752,832	810,499	806,712	826,445	833,337	801,313	810,419	782,891	801,191
Solano	44,291	39,836	37,977	35,349	43,604	44,898	47,665	49,731	49,254	48,652	47,149	45,811
Sutter	44,140	42,185	41,796	44,766	46,092	46,984	50,301	49,190	48,357	49,191	45,771	47,660
Tehama	75,737	70,013	76,425	72,950	80,469	77,028	87,541	88,310	87,557	94,112	90,380	94,060
Yolo	18,976	18,864	20,861	20,094	19,720	18,455	18,982	18,666	18,697	19,246	18,906	20,569
Yuba	60,353	57,222	64,314	65,785	68,913	67,322	66,379	70,610	68,857	68,585	65,605	63,210
Sacramento Valley	1,557,896	1,503,069	1,611,706	1,596,707	1,695,786	1,652,042	1,689,167	1,710,301	1,660,967	1,699,914	1,640,559	1,698,823

TABLE 11. Continued

County and District	January	February	March	April	May	June	July	August	September	October	November	December
Fresno	2,275,758	2,124,030	2,271,584	2,222,769	2,285,937	2,237,630	2,319,314	2,350,218	2,312,723	2,338,323	2,266,759	2,308,468
Kern	940,620	910,925	984,275	917,504	928,582	898,132	858,930	860,440	864,585	890,883	868,836	888,005
Kings	2,472,188	2,295,842	2,430,901	2,285,669	2,342,288	2,267,889	2,343,214	2,305,923	2,278,423	2,297,017	2,224,192	2,299,236
Madera	700,692	666,843	712,932	673,369	706,143	711,146	730,422	757,305	810,910	810,157	788,981	800,476
Merced	3,306,015	3,163,195	3,346,670	3,324,637	3,466,168	3,454,978	3,612,690	3,688,137	3,661,973	3,735,317	3,613,865	3,784,246
San Joaquin	2,592,051	2,450,292	2,631,512	2,600,179	2,748,271	2,662,137	2,751,721	2,799,119	2,687,845	2,707,959	2,577,943	2,723,207
Stanislaus	3,704,320	3,502,750	3,741,249	3,663,237	3,887,177	3,786,314	3,935,215	3,989,258	3,890,913	3,918,493	3,795,326	3,937,902
Tulare	4,942,855	4,691,145	5,079,433	5,091,593	5,273,705	5,156,393	5,208,459	5,131,824	5,070,789	5,229,691	5,153,188	5,346,469
San Joaquin Valley	20,934,499	19,805,022	21,198,556	20,778,957	21,638,271	21,174,619	21,759,965	21,882,224	21,578,161	21,927,840	21,289,090	22,088,009
Alpine	---	---	---	---	---	---	---	---	---	---	---	---
Amador	---	---	---	---	---	---	---	---	---	---	---	---
Calaveras	---	---	---	---	---	---	---	---	---	---	---	---
El Dorado	3,110	3,055	3,226	3,292	3,379	3,053	3,400	3,207	3,214	3,336	3,111	3,307
Inyo	---	---	---	---	---	---	---	---	---	---	---	---
Mariposa	---	---	---	---	---	---	---	---	---	---	---	---
Mono	---	---	---	---	---	---	---	---	---	---	---	---
Nevada	---	---	---	---	---	---	---	---	---	---	---	---
Placer	6,142	5,589	25,089	27,845	27,539	30,824	30,117	32,612	29,071	30,077	25,546	30,133
Sierra	---	---	---	---	---	---	---	---	---	---	---	---
Tuolumne	---	---	---	---	---	---	---	---	---	---	---	---
Sierra Mountain	9,252	8,644	28,315	31,137	30,918	33,877	33,517	35,819	32,285	33,413	28,657	33,440
Imperial	20,461	21,155	23,547	25,523	26,515	24,167	21,177	16,852	18,091	20,572	18,518	21,881
Los Angeles	412,997	380,818	398,020	387,866	419,961	384,811	394,280	391,934	383,354	399,242	385,744	401,055
Orange	---	---	---	---	---	---	---	---	---	---	---	---
Riverside	3,977,641	3,847,710	4,041,079	3,938,281	4,104,009	3,898,044	4,056,270	3,873,870	3,889,133	3,992,862	3,845,104	3,932,168
San Bernardino	7,081,949	6,717,618	7,092,402	6,928,679	7,307,920	7,146,539	7,311,520	7,441,792	7,413,149	7,663,222	7,399,787	7,585,514
San Diego	679,397	643,018	679,054	661,502	681,802	660,231	677,803	678,051	677,237	686,232	655,253	678,502
Santa Barbara	221,074	226,970	241,983	238,212	243,656	235,963	248,402	240,736	215,434	220,335	212,003	213,216
Ventura	125,530	122,482	124,853	126,071	127,115	106,998	100,548	107,718	115,117	128,902	120,881	127,939
Southern California	12,519,049	11,959,771	12,600,938	12,306,134	12,910,978	12,456,753	12,810,000	12,750,953	12,711,515	13,111,367	12,637,290	12,960,275
STATE	38,243,257	36,326,646	38,784,995	38,094,661	39,745,246	38,705,237	39,769,965	39,892,859	39,388,838	40,255,627	38,917,742	40,198,202

TABLE 12. COMMERCIAL PRODUCTION OF MANUFACTURING MILK FAT, BY COUNTIES, AND DISTRICTS, CALIFORNIA, 1980 (Pounds)

County and District	January	February	March	April	May	June	July	August	September	October	November	December
Del Norte	21,931	20,315	31,323	39,968	51,084	53,825	56,317	55,576	48,829	47,242	38,559	31,498
Humboldt	82,941	81,806	194,776	268,958	316,845	307,916	301,937	275,593	241,464	218,142	181,052	136,832
Mendocino	---	---	---	---	---	---	---	---	---	---	---	---
North Coast	104,872	102,121	226,099	308,926	367,929	361,741	358,254	331,169	290,293	265,384	219,611	168,330
Shasta	961	---	---	---	---	---	---	304	---	---	---	---
Siskiyou	---	---	353	598	---	---	---	---	662	---	---	---
Trinity	---	---	---	---	---	---	---	---	---	---	---	---
North Central	961	---	353	598	---	---	---	304	662	---	---	---
Lassen	---	---	---	---	---	---	---	---	---	---	---	---
Modoc	---	---	---	---	---	---	---	---	---	---	---	---
Plumas	---	---	---	---	---	---	---	---	---	---	---	---
North East	---	---	---	---	---	---	---	---	---	---	---	---
Alameda	---	---	---	---	1,448	---	---	---	---	---	---	---
Contra Costa	---	---	4,535	1,261	---	---	---	---	---	---	---	584
Lake	---	---	---	---	---	---	---	---	---	---	---	---
Marin	6,471	5,411	4,696	4,663	6,488	6,852	8,467	7,763	7,892	7,939	7,649	6,840
Monterey	1,554	1,837	1,850	3,190	7,051	6,652	522	5,318	4,296	6,537	6,701	8,189
Napa	583	586	798	827	734	581	590	381	329	390	402	555
San Benito	2,211	2,351	---	---	---	3,133	3,145	2,662	2,369	152	---	---
San Francisco	---	---	---	---	---	---	---	---	---	---	---	---
San Luis Obispo	---	---	---	---	2,320	---	---	---	---	---	---	---
San Mateo	---	---	---	---	---	---	---	---	---	---	---	---
Santa Clara	---	---	---	393	4,218	1,352	---	1,164	---	6,123	993	---
Santa Cruz	9,150	8,061	9,970	10,281	10,305	9,646	9,121	8,479	7,926	8,625	8,204	8,293
Sonoma	23,348	25,225	35,273	33,760	45,711	26,318	33,680	28,040	23,870	23,650	23,265	24,327
Central Coast	43,317	43,471	57,122	54,375	78,275	54,534	55,525	53,807	46,682	53,416	47,214	48,788
Butte	9,366	8,618	10,648	11,294	12,206	11,504	12,251	9,271	8,873	10,230	7,009	7,419
Colusa	512	409	709	536	571	546	---	681	625	592	503	381
Glenn	80,203	82,527	97,312	102,581	112,558	112,763	118,298	123,691	110,422	107,389	103,092	105,982
Sacramento	33,772	38,172	42,223	55,841	46,547	48,458	58,973	54,927	65,989	52,720	44,795	51,353
Solano	---	815	4,953	6,029	839	---	210	---	---	---	---	---
Sutter	7,826	7,331	11,837	10,204	10,636	10,024	10,088	7,482	6,865	6,506	5,526	8,141
Tehama	28,546	26,593	30,916	33,156	34,920	33,625	34,998	26,212	23,463	23,584	21,855	16,674
Yolo	---	177	---	---	---	---	---	---	---	---	542	---
Yuba	2,890	2,853	3,471	4,116	3,981	4,212	7,444	9,951	4,189	4,903	3,373	7,532
Sacramento Valley	163,115	167,495	202,069	223,757	222,258	221,132	242,262	232,215	220,426	205,924	186,695	197,482

TABLE 12. Continued

County and District	January	February	March	April	May	June	July	August	September	October	November	December
Fresno	12,454	20,483	69,879	24,273	23,280	43,804	44,754	30,995	11,522	15,112	7,842	6,890
Kern	821	---	---	6,425	---	1,822	2,050	---	8,134	5,892	---	298
Kings	5,925	22,287	2,753	6,227	10,366	7,797	15,995	11,112	1,222	6,136	3,849	4,335
Madera	12,151	5,121	7,591	17,350	21,514	5,907	6,641	7,845	5,554	6,131	5,780	9,078
Merced	292,392	277,050	319,939	325,000	298,459	299,430	306,491	324,487	326,521	323,531	297,530	288,974
San Joaquin	90,340	105,588	114,231	95,829	110,695	139,781	124,834	112,989	116,227	135,485	125,385	125,558
Stanislaus	473,447	480,278	526,023	531,534	554,976	537,872	573,792	568,449	534,422	558,405	515,601	503,638
Tulare	67,053	62,287	92,414	53,759	48,829	37,358	54,780	52,467	48,219	48,849	57,168	46,821
San Joaquin Valley	954,583	973,094	1,132,830	1,060,397	1,068,119	1,073,771	1,129,337	1,108,344	1,051,821	1,098,741	1,013,155	985,592
Alpine	---	---	---	---	---	---	---	---	---	---	---	---
Amador	---	---	---	---	---	---	---	---	---	---	---	---
Calaveras	---	---	---	---	---	---	---	---	---	---	---	---
El Dorado	---	---	---	---	---	---	---	---	---	---	---	---
Inyo	---	---	---	---	---	---	---	---	---	---	---	---
Mariposa	---	---	---	---	---	---	---	---	---	---	---	---
Mono	---	---	---	---	---	---	---	---	---	---	---	---
Nevada	---	---	---	---	---	---	---	---	---	---	---	---
Placer	---	---	---	---	---	---	---	---	---	---	---	---
Sierra	---	---	---	---	---	---	---	---	---	---	---	---
Tuolumne	---	---	---	---	---	---	---	---	---	---	---	---
Sierra Mountain	---	---	---	---	---	---	---	---	---	---	---	---
Imperial	---	---	---	---	---	---	---	---	---	---	---	---
Los Angeles	---	---	---	21,112	---	---	---	---	---	---	---	---
Orange	---	---	---	---	---	---	---	---	---	---	---	---
Riverside	369	3,997	2,729	4,724	4,551	5,067	4,037	7,783	3,626	14,131	469	7,871
San Bernardino	1,447	5,683	18,351	13,329	7,861	8,481	3,118	4,789	11,760	2,527	3,830	1,426
San Diego	---	---	---	729	2,267	---	---	1,599	330	1,322	---	480
Santa Barbara	223	---	---	---	---	---	---	---	---	---	---	---
Ventura	---	---	---	---	---	---	---	---	---	---	---	---
Southern California	2,039	9,680	21,080	39,894	14,679	13,548	7,155	14,171	15,716	17,900	4,307	9,777
STATE	1,268,887	1,295,861	1,639,553	1,687,947	1,751,260	1,724,726	1,792,533	1,740,010	1,625,600	1,641,445	1,470,982	1,409,969

AVERAGE PRICES PAID PRODUCERS

The California Crop and Livestock Reporting Service estimates the prices received by producers for many crops, livestock, and livestock products. The livestock products include whole milk sold in wholesale quantities. Table 13 contains the estimated monthly prices received by producers in California from 1970 through 1980. Data for earlier years are available in other publications and have been published in former annual reports of this series.

The average prices paid to producers in California for market milk and for manufacturing milk by month from 1970 through 1980, are presented in Tables 14 and 15. Prices paid for market milk in Table 14 reflect the changing proportions of the product paid for in accordance with class use, as well as varying price levels for products with the same usage. Prices paid for manufacturing milk in Table 15 reflect primarily changes in price levels. Both series are affected to some extent by fluctuation in the average milk fat content of milk purchased from producers because they relate to the average test of the milk purchased each month, rather than to milk of some standard test.

4—82444

TABLE 13. AVERAGE PRICES PAID PRODUCERS FOR ALL WHOLE MILK, F.O.B. RANCH, CALIFORNIA, 1970-1980
(Dollars per Hundredweight)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
1970	5.51	5.44	5.33	5.29	5.25	5.22	5.18	5.19	5.31	5.43	5.54	5.64	5.35
1971	5.61	5.57	5.45	5.39	5.47	5.44	5.38	5.42	5.52	5.66	5.80	5.88	5.54
1972	5.88	5.77	5.62	5.47	5.44	5.43	5.46	5.42	5.52	5.66	5.81	5.91	5.60
1973	5.93	6.21	6.16	5.91	5.86	5.91	5.92	6.28	6.87	7.12	7.84	7.82	6.47
1974	7.87	7.61	7.72	8.59	8.27	7.96	7.97	8.07	8.35	8.55	8.70	8.73	8.20
1975	8.91	8.88	8.74	8.64	8.45	8.33	8.40	8.57	8.90	9.27	9.49	9.78	8.85
1975 1/	9.08	9.06	8.92	8.81	8.63	8.51	8.57	8.75	9.08	9.45	9.66	9.93	9.03
1976	9.60	9.25	9.23	9.13	8.98	9.02	9.18	9.34	9.31	9.28	9.41	9.60	9.27
1977	9.69	9.49	9.45	9.49	9.62	9.65	9.60	9.69	9.86	10.10	10.20	10.30	9.76
1978	10.40	10.20	10.10	10.10	10.00	9.80	9.70	10.10	10.30	10.40	10.80	11.00	10.20
1979	10.90	11.10	11.00	11.00	11.10	11.20	11.20	11.40	11.60	12.00	12.30	12.50	11.40
1980	12.76	12.71	12.54	12.54	12.53	12.55	12.49	12.68	12.89	13.42	13.66	13.81	12.88

1/ 1975 and subsequent years F.O.B. Plant price.

TABLE 14. AVERAGE PRICES PAID PRODUCERS FOR MARKET MILK, F.O.B. RANCH, CALIFORNIA, 1970-1980
(Dollars per Hundredweight)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
1970	5.60	5.33	5.44	5.39	5.35	5.30	5.28	5.28	5.40	5.52	5.62	5.72	5.45
1971	5.70	5.66	5.55	5.48	5.58	5.55	5.49	5.52	5.61	5.75	5.88	5.97	5.64
1972	5.97	5.86	5.72	5.57	5.55	5.53	5.46	5.52	5.61	5.76	5.91	6.00	5.70
1973	6.02	6.31	6.26	6.01	5.96	6.01	6.00	6.37	6.95	7.18	7.94	7.91	6.56
1974	7.95	7.68	7.80	8.71	8.41	8.08	8.10	8.21	8.48	8.69	8.82	8.85	8.32
1975	9.01	8.99	8.85	8.76	8.58	8.45	8.50	8.68	8.99	9.34	9.56	9.86	8.95
1975 1/	9.18	9.16	9.02	8.93	8.75	8.62	8.67	8.85	9.17	9.51	9.73	10.00	9.12
1976	9.65	9.32	9.30	9.21	9.05	9.08	9.24	9.40	9.36	9.34	9.47	9.68	9.34
1977	9.75	9.55	9.50	9.53	9.66	9.70	9.65	9.74	9.90	10.10	10.20	10.30	9.80
1978	10.40	10.30	10.10	10.10	10.00	9.85	9.75	10.10	10.30	10.40	10.80	11.00	10.20
1979	10.90	11.10	11.00	11.00	11.10	11.20	11.20	11.40	11.60	12.00	12.30	12.50	11.40
1980	12.80	12.76	12.59	12.58	12.56	12.59	12.53	12.72	12.93	13.46	13.70	13.84	12.92

1/ 1975 and subsequent years F.O.B. Plant price.

TABLE 15. AVERAGE PRICES PAID PRODUCERS FOR MANUFACTURING MILK, F.O.B. RANCH, CALIFORNIA, 1970-1980
(Dollars per Hundredweight)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
1970	4.48	4.36	4.31	4.42	4.40	4.41	4.37	4.41	4.50	4.59	4.71	4.80	4.47
1971	4.71	4.64	4.54	4.66	4.62	4.60	4.58	4.62	4.78	4.93	5.04	5.08	4.72
1972	5.06	4.95	4.79	4.73	4.69	4.69	4.69	4.73	4.81	4.89	5.02	5.14	4.83
1973	5.14	5.20	5.14	5.00	4.94	4.96	5.11	5.33	5.94	6.39	6.57	6.62	5.46
1974	6.59	6.56	6.67	6.98	6.68	6.52	6.51	6.48	6.58	6.72	6.86	6.78	6.65
1975	7.37	7.19	7.11	7.03	6.89	6.88	7.06	7.16	7.73	8.25	8.35	8.43	7.40
1975 1/	7.45	7.49	7.37	7.22	7.08	7.05	7.27	7.35	7.92	8.45	8.53	8.62	7.60
1976	8.48	8.00	7.87	7.94	7.87	8.03	8.20	8.45	8.43	8.23	8.29	8.15	8.16
1977	8.21	8.13	8.13	8.68	8.81	8.79	8.67	8.65	8.82	8.93	9.09	9.14	8.68
1978	9.09	9.03	8.94	9.25	9.15	9.17	9.08	9.26	9.49	9.70	10.00	10.20	9.34
1979	10.00	9.85	9.80	10.10	10.30	10.30	10.30	10.40	10.70	11.10	11.60	11.60	10.50
1980	11.56	11.[illegible]	11.34	11.69	11.75	11.61	11.62	11.76	12.01	12.36	12.68	12.77	11.87

1/ 1975 and subsequent years F.O.B. Plant price.

UTILIZATION OF COMMERCIAL PRODUCTION

During 1980, approximately 34.5 percent of the total milk fat produced commerciaily in California was used in fluid market milk. Fluid market milk includes fluid whole milk, fluid lowfat milk, concentrated fluid milk, fluid skim milk, and beginning with 1974, it also includes yogurt. Fluid half-and-half used 1.8 percent of the milk fat; butter, 30.8 percent; cheese (including cottage cheese), 10.1 percent; condensed and evaporated milk products, 1.7 percent; frozen dairy products, 11.2 percent, and all other manufactured products, 9.9 percent. Approximately 36.3 percent of the total milk fat was used in fluid market milk products and the remaining 63.7 percent was used in manufactured products.

Approximately 48.0 percent of the market grade milk produced in 1980 was used in Class 1 fluid market milk products; 7.3 percent was used in manufactured products where market grade milk was mandatory; and 44.7 percent was used for making all other kinds of manufactured products.

TABLE 16. ESTIMATED PERCENTAGE UTILIZATION OF COMMERCIAL MILK-FAT PRODUCTION, CALIFORNIA, 1961-1980

Year	Fluid market milk 1/	Fluid market cream 2/	Butter	Cheese, including cottage cheese	Condensed milk products 3/	Frozen dairy products	Other manufac-tured products 4/
1961	52.6	8.3	10.8	3.8	7.4	11.7	5.4
1962	52.8	8.2	10.7	3.8	6.5	11.8	6.2
1963	55.2	8.2	8.9	3.8	6.2	12.6	5.1
1964	55.6	7.8	9.1	3.7	6.6	12.9	4.3
1965	55.8	7.6	9.2	3.8	5.9	13.5	4.2
1966	56.5	7.4	7.0	3.6	6.6	13.7	5.2
1967	55.2	7.1	12.1	2.9	4.6	13.5	4.6
1968	53.2	6.6	14.2	2.8	5.1	13.6	4.5
1969	52.3	6.0	15.5	2.6	5.0	13.7	4.9
1970	49.0	5.5	20.7	3.1	3.9	13.3	4.5
1971	47.1	5.1	22.1	3.4	4.0	13.0	5.3
1972	45.5	4.6	24.7	3.5	3.2	12.5	6.0
1973	45.6	4.7	24.2	4.4	3.0	12.4	5.7
1974	43.6	2.2	26.9	5.2	2.7	13.0	6.4
1975	42.2	2.2	28.1	5.9	2.7	13.2	5.7
1976	40.9	2.1	28.8	6.8	2.6	12.7	6.1
1977	40.0	2.1	29.9	7.5	2.2	12.2	6.1
1978	40.2	2.0	26.5	8.3	2.1	12.6	8.3
1979	38.8	2.0	26.9	9.2	2.1	12.1	8.9
1980	34.5	1.8	30.8	10.1	1.7	11.2	9.9

1/ Fluid whole milk, fluid lowfat milk, concentrated fluid milk, and fluid skim milk through 1973. Yogurt included for 1974-1980.
2/ Fluid cream and half-and-half through 1973. Half-and-half only for 1974-1980.
3/ Evaporated milk and other condensed milk products.
4/ Includes sour fluid cream and all other fluid cream for 1974-1980.

TABLE 17. COMMERCIAL PRODUCTION AND USAGE OF MILK, CALIFORNIA 1963-1980 1/

	Commercial production (thousand pounds)			Class 1 usage (thousand pounds)	Available for manufacture (thousand pounds)			Percent available for manufacture	
	Market	Manufacturing	Total		Market	Manufacturing	Total	Market	Total
1963	6,777,198	1,341,422	8,118,620	5,122,900	1,654,298	1,341,422	2,995,720	24.4	36.9
1964	7,393,886	985,389	8,379,275	5,312,495	2,081,391	985,389	3,066,780	28.2	36.6
1965	7,367,524	971,570	8,339,094	5,326,377	2,041,147	971,570	3,012,717	27.7	36.1
1966	7,591,503	865,655	8,457,158	5,463,262	2,128,241	865,655	2,993,896	28.0	35.4
1967	7,685,955	876,187	8,562,142	5,453,205	2,232,750	876,187	3,108,937	29.0	36.3
1968	8,002,052	815,387	8,817,439	5,441,752	2,560,300	815,387	3,375,687	32.0	38.3
1969	7,970,766	799,438	8,770,204	5,405,325	2,565,441	799,438	3,364,879	32.2	38.4
1970	8,481,432	865,027	9,346,459	5,399,404	3,082,028	865,027	3,947,055	36.3	42.2
1971	8,614,289	979,836	9,594,125	5,406,666	3,207,623	979,836	4,187,459	37.2	43.6
1972	9,163,369	1,136,171	10,299,540	5,647,138	3,516,231	1,136,171	4,652,402	38.4	45.2
1973	9,354,250	879,237	10,233,487	5,719,894	3,634,356	879,237	4,513,593	39.9	44.1
1974	9,776,188	724,765	10,500,953	5,740,347	4,035,841	724,765	4,760,606	41.3	45.3
1975	10,060,384	695,507	10,755,891	5,837,522	4,222,862	695,507	4,918,369	42.0	45.7
1976	10,886,279	602,087	11,488,366	6,032,561	4,853,718	602,087	5,455,805	44.6	47.5
1977	11,377,410	510,659	11,888,069	6,143,455	5,233,955	510,659	5,744,614	46.0	48.3
1978	11,329,087	447,648	11,776,735	6,211,747	5,117,340	447,648	5,564,988	45.2	47.3
1979	12,029,199	459,453	12,488,652	6,292,820	5,736,379	459,453	6,195,832	47.7	49.6
1980	12,998,001	517,997	13,515,998	6,238,927	7,277,071	517,997	7,795,068	60.0	57.7

1/ Detail for 1979 and 1980 shown in Table 22.

TABLE 18. COMMERCIAL PRODUCTION AND USAGE OF MARKET MILK FAT AND MARKET SKIM MILK, CALIFORNIA, 1963-1980 1/

	Market Milk Fat				Market Skim Milk			
	Commercial production (thousand pounds)	Class 1 usage (thousand pounds)	Other than Class 1 usage		Commercial production (thousand pounds)	Class 1 usage (thousand pounds)	Other than Class 1 usage	
			Thousand pounds	Percent of production			Thousand pounds	Percent of production
1963	246,003	187,939	58,064	23.6	6,531,195	4,934,961	1,596,234	24.4
1964	267,607	193,215	74,392	27.8	7,126,279	5,119,280	2,006,999	28.2
1965	268,332	192,724	75,608	28.2	7,099,192	5,133,653	1,965,539	27.7
1966	274,577	196,054	78,523	28.6	7,316,926	5,267,208	2,049,718	28.0
1967	277,547	193,402	84,145	30.3	7,408,408	5,259,803	2,148,605	29.0
1968	287,023	190,057	96,966	33.8	7,715,029	5,251,695	2,463,334	31.9
1969	287,435	185,253	102,182	35.6	7,683,331	5,220,072	2,463,259	32.1
1970	303,336	182,919	120,417	39.7	8,178,096	5,216,485	2,961,611	36.2
1971	309,103	180,183	128,920	41.7	8,305,186	5,226,483	3,078,703	37.1
1972	327,371	185,058	142,313	43.5	8,835,998	5,462,080	3,373,918	38.6
1973	335,933	185,344	150,589	44.8	9,018,317	5,534,550	3,483,767	38.6
1974	351,133	173,348	177,785	50.6	9,425,055	5,566,999	3,858,056	40.9
1975	364,795	173,102	191,693	52.5	9,695,589	5,664,420	4,031,169	41.6
1976	390,950	178,026	212,924	54.5	10,495,329	5,854,535	4,640,794	44.2
1977	405,943	178,958	226,985	55.9	10,971,467	5,964,497	5,006,970	45.6
1978	408,311	179,515	228,796	56.0	10,920,776	6,032,232	4,888,544	44.8
1979	426,183	180,650	245,533	57.6	11,603,015	6,112,170	5,490,845	47.3
1980	468,324	176,841	291,483	62.2	12,529,677	6,062,086	6,467,591	51.6

1/ Detail for 1979 and 1980 shown in Tables 23 and 24.

TABLE 19. COMMERCIAL PRODUCTION OF MILK FAT AND SKIM MILK AVAILABLE FOR MANUFACTURE, CALIFORNIA, 1963-1980 1/

	Milk fat available for manufacture (thousand pounds)				Skim milk available for manufacture (thousand pounds)			
	Manufacturing	Market	Total	Percent of Production	Manufacturing	Market	Total	Percent of Production
1963	50,670	58,064	108,734	36.7	1,290,752	1,596,234	2,886,986	36.9
1964	37,292	74,392	111,684	36.6	948,097	2,006,999	2,955,096	36.6
1965	36,537	75,608	112,145	36.8	935,033	1,965,539	2,900,572	36.1
1966	32,697	78,523	111,220	36.2	832,958	2,049,718	2,882,676	35.4
1967	33,115	84,145	117,260	37.7	843,072	2,148,605	2,991,677	36.3
1968	30,715	96,966	127,681	40.2	784,672	2,463,334	3,248,006	38.2
1969	30,081	102,182	132,263	41.7	769,357	2,463,259	3,232,616	38.2
1970	32,395	120,417	152,812	45.5	832,632	2,961,611	3,794,243	42.1
1971	36,549	128,920	165,469	47.9	943,287	3,078,703	4,021,990	43.5
1972	41,940	142,313	184,253	49.9	1,094,231	3,373,918	4,468,149	45.0
1973	32,646	150,589	183,235	49.7	846,591	3,483,767	4,330,358	43.9
1974	26,748	177,785	204,533	54.1	698,017	3,858,056	4,556,073	45.0
1975	25,960	191,693	217,653	55.7	669,547	4,031,169	4,700,716	45.4
1976	22,562	212,924	235,486	56.9	579,525	4,640,794	5,220,319	47.1
1977	18,958	226,985	245,943	57.9	491,701	5,006,970	5,498,671	48.0
1978	16,816	228,796	245,612	57.8	430,832	4,888,544	5,319,376	48.7
1979	16,881	245,533	262,414	59.2	442,572	5,490,845	5,933,417	49.2
1980	19,050	291,483	310,533	53.7	498,947	6,467,591	6,956,538	53.4

1/ Detail for 1979 and 1980 shown in Tables 23 and 24.

TABLE 20. CLASS 1 USAGE, CALIFORNIA, 1980
(Gallons)

	January	February	March	April	May	June	July	August	September	October	November	December
Market Whole Milk*	37,355,532	35,095,987	35,906,326	34,943,055	36,046,216	33,502,108	35,983,386	35,532,818	35,573,887	36,845,389	33,898,925	35,611,674
Market Lowfat Milk	19,562,519	18,665,262	19,149,009	18,864,750	19,627,350	17,280,209	18,075,596	17,796,675	19,765,856	21,221,989	19,337,168	19,628,143
Market Skim Milk	3,745,575	3,734,073	3,896,997	3,948,900	3,939,498	3,536,255	3,481,894	3,436,998	3,712,256	4,069,817	3,600,983	3,591,289
Half-and-Half	768,506	740,205	773,465	757,255	792,429	771,799	809,452	783,610	765,181	796,325	780,482	856,683
Yogurt	1,270,994	1,375,360	1,411,460	1,418,033	1,482,010	1,393,047	1,361,068	1,295,974	1,316,919	1,350,747	1,078,230	998,967
All Other Class 1 Uses	31,540	29,758	31,856	25,606	29,704	28,946	27,760	28,656	26,196	27,868	27,086	29,184
Total Class 1	62,734,666	59,640,645	61,169,113	59,957,599	61,917,207	56,512,364	59,739,156	58,874,731	61,160,295	64,312,135	58,722,874	60,715,940

*Included whole-milk equivalent of concencrated fluid milk.

Pounds of Milk Fat

Market Whole Milk	11,131,124	10,454,118	10,696,150	10,403,842	10,730,227	9,975,360	10,719,435	10,581,881	10,583,747	10,973,194	10,091,239	10,611,195
Market Lowfat Milk	3,300,471	3,148,572	3,230,026	3,179,978	3,312,180	2,919,059	3,053,702	3,007,525	3,335,518	3,575,320	3,253,759	3,312,759
Market Skim Milk	4,510	7,169	3,932	3,858	4,038	5,520	3,413	3,263	3,697	4,918	3,917	3,913
Half-and-Half	713,975	687,865	715,313	699,857	729,472	711,810	745,207	725,003	704,226	731,656	719,436	789,570
Yogurt	200,817	217,307	223,011	224,049	234,158	220,101	215,049	204,764	208,073	213,418	170,360	157,837
All Other Class 1 Uses	3,757	3,702	4,443	3,612	3,496	3,598	3,646	3,798	3,677	3,366	4,525	4,592
Total Class 1	15,354,654	14,518,733	14,872,875	14,515,196	15,013,571	13,835,448	14,740,452	14,526,234	14,838,938	15,501,872	14,243,236	14,879,866

TABLE 21. MANDATORY CLASS 2 USAGE, CALIFORNIA, 1980
Pounds of Product

	January	February	March	April	May	June	July	August	September	October	November	December
Sour Cream and Sour Cream Dress.	4,666,064	4,806,302	5,171,655	5,245,708	5,488,416	5,550,831	5,233,325	5,264,376	4,983,392	5,293,733	6,261,109	7,196,620
All Other Market Cream	1,300,169	1,916,925	1,716,624	2,373,857	1,997,543	2,326,357	1,859,838	1,732,805	1,407,506	1,530,990	2,985,474	2,549,214
Buttermilk	7,792,066	7,399,124	7,704,642	7,823,434	7,742,717	7,905,445	7,919,358	8,126,582	7,711,124	7,908,255	7,376,746	7,484,410
Creamed Cottage Cheese 1/	2,796,116	2,660,891	2,898,653	2,836,371	2,818,487	2,789,843	2,906,452	2,900,410	2,683,209	2,788,063	2,482,718	2,299,408
Lowfat Cottage Cheese 1/	1,380,958	1,320,422	1,421,419	1,457,427	1,474,989	1,473,102	1,579,861	1,493,210	1,409,568	1,467,030	1,279,323	1,202,001
Cottage Cheese, Dry Curd 2/	59,894,961	57,837,963	62,734,210	61,766,291	62,423,092	60,647,703	64,375,775	63,781,163	58,724,201	60,326,103	55,859,711	51,979,043
Filled and Imitation Products	145,380	139,512	136,431	165,794	142,877	148,625	159,528	140,549	123,953	162,577	160,349	113,078
Total	77,975,714	76,081,139	81,783,634	81,668,882	82,088,121	80,841,906	84,034,137	83,439,095	77,042,953	79,476,751	76,405,430	72,823,774

1/ Approximately 0.34 of a pound of creaming mixture is added to each pound of curd in creaming process.

2/ 7.14 pounds of skim milk required to make one pound of dry curd.

Pounds of Milk Fat

Sour Cream and Sour Cream Dressing	936,518	964,665	1,037,994	1,052,858	1,101,571	1,114,098	1,050,372	1,056,604	1,000,209	1,062,497	1,256,657	1,444,422
All Other Market Cream	425,144	626,819	561,322	776,232	653,180	760,700	608,152	566,613	460,243	500,621	976,225	833,572
Buttermilk	36,158	34,335	35,752	36,304	35,929	36,684	36,749	37,710	35,782	36,697	34,231	34,730
Creamed Cottage Cheese 1/	405,437	385,829	420,305	411,274	408,681	404,527	421,436	420,559	389,065	404,269	359,994	333,414
Lowfat Cottage Cheese 2/	75,953	72,623	78,178	80,158	81,124	81,021	86,892	82,126	77,526	80,687	70,363	66,110
Cottage Cheese, Dry Curd	---	---	---	---	---	---	---	---	---	---	---	---
Filled and Imitation Products	---	---	---	---	---	---	---	---	---	---	---	---
Total	1,879,210	2,084,271	2,133,551	2,356,826	2,280,485	2,397,030	2,203,601	2,163,612	1,962,825	2,084,771	2,697,470	2,712,248

1/ Creaming mixture for creamed cottage cheese tests 14.5%.

2/ Creaming mixture for lowfat cottage cheese tests 5.5%.

TABLE 22. UTILIZATION OF MARKET AND OF MANUFACTURING MILK IN CALIFORNIA, 1979-1980

	TOTAL COMMERCIAL PRODUCTION	MARKET MILK							MANUFACTURING MILK	TOTAL AVAILABLE FOR MANUFACTURE (excluding mandatory Class 2 usage)	
	Market & Mfg.	Production	Class 1 Usage		Mandatory Class 2 Usage		All Other Usage		Production		
	Thousand Pounds	Thousand Pounds	Thousand Pounds	Percent of Production	Thousand Pounds	Percent of Production	Thousand Pounds	Percent of Production	Thousand Pounds	Thousand Pounds	Percent of Total Production
1979	12,488,652	12,029,199	6,292,820	52.3	959,349	8.0	4,777,030	39.7	459,453	5,236,483	41.9
1980	13,515,998	12,998,001	6,238,927	48.0	953,662	7.3	5,805,412	44.7	517,997	6,323,409	46.8
1979											
January	947,841	917,734	549,109	59.8	79,574	8.7	289,051	31.5	30,107	319,158	33.7
February	870,885	841,886	491,266	58.4	72,851	8.6	277,769	33.0	28,999	306,768	35.2
March	1,004,601	967,952	549,226	56.7	84,964	8.8	333,762	34.5	36,649	370,411	36.9
April	1,018,963	977,799	507,072	51.8	79,397	8.1	391,330	40.0	41,164	432,494	42.4
May	1,091,182	1,047,950	539,355	51.5	86,160	8.2	422,435	40.3	43,232	465,667	42.7
June	1,075,939	1,031,942	499,533	48.4	81,453	7.9	450,956	43.7	43,997	494,953	46.0
July	1,116,093	1,071,589	500,732	46.7	80,825	7.5	490,032	45.7	44,504	534,536	47.9
August	1,129,235	1,085,844	527,494	48.6	83,928	7.7	474,422	43.7	43,391	517,813	45.8
September	1,065,962	1,027,721	520,004	50.6	80,559	7.8	427,158	41.6	38,241	465,399	43.6
October	1,093,501	1,054,322	561,968	53.3	81,985	7.8	410,369	38.9	39,179	449,548	41.1
November	1,027,393	992,667	534,863	53.9	72,843	7.3	384,961	38.8	34,726	419,687	40.8
December	1,047,057	1,011,793	512,198	50.6	74,810	7.4	424,785	42.0	35,264	460,049	43.9
1980											
January	1,047,960	1,014,994	539,518	53.2	77,976	7.7	397,500	39.2	32,966	430,466	41.1
February	995,085	960,850	512,910	53.4	76,081	7.9	371,859	38.7	34,235	406,094	40.8
March	1,090,760	1,046,680	526,054	50.2	81,784	7.8	438,842	41.9	44,080	482,922	44.3
April	1,115,569	1,068,761	515,635	48.2	81,669	7.6	471,457	44.1	46,808	518,265	46.4
May	1,188,358	1,139,069	532,488	46.7	82,088	7.2	524,493	46.0	49,289	573,782	48.3
June	1,166,382	1,117,692	486,006	43.5	80,842	7.2	550,844	49.3	48,690	599,534	51.4
July	1,201,021	1,150,354	513,757	44.7	84,034	7.3	552,563	48.0	50,667	603,230	50.2
August	1,201,141	1,152,392	506,323	43.9	83,439	7.2	562,630	48.8	48,749	611,379	50.9
September	1,153,944	1,109,830	525,978	47.4	77,043	6.9	506,809	45.7	44,114	550,923	47.7
October	1,156,919	1,113,181	553,084	49.7	79,477	7.1	480,620	43.2	43,738	524,358	45.3
November	1,091,346	1,052,867	505,017	48.0	76,405	7.2	471,445	44.8	38,479	509,924	46.7
December	1,107,513	1,071,331	522,157	48.7	72,824	6.8	476,350	44.5	36,182	512,532	46.3

TABLE 23. UTILIZATION OF MARKET AND OF MANUFACTURING MILK FAT IN CALIFORNIA, 1979 - 1980

	TOTAL COMMERCIAL PRODUCTION	MARKET MILK FAT							MANUFACTURING MILK FAT	TOTAL AVAILABLE FOR MANUFACTURE (excluding mandatory Class 2 usage)	
	Market & Mfg.	Production	Class 1 Usage		Mandatory Class 2 Usage		All Other Usage		Production		
	Thousand Pounds	Thousand Pounds	Thousand Pounds	Percent of Production	Thousand Pounds	Percent of Production	Thousand Pounds	Percent of Production	Thousand Pounds	Thousand Pounds	Percent of Total Production
1979	443,064	426,183	180,650	42.4	26,380	6.2	219,153	51.4	16,881	236,034	53.3
1980	487,374	468,324	176,841	37.8	26,955	5.8	264,528	56.5	19,050	283,578	58.2
1979											
January	35,816	34,650	15,814	45.6	1,866	5.4	16,970	49.0	1,166	18,136	50.6
February	32,583	31,487	14,150	44.9	1,950	6.2	15,387	48.9	1,096	16,483	50.6
March	36,545	35,191	15,768	44.8	2,143	6.1	17,280	49.1	1,354	18,634	51.0
April	35,956	34,469	14,589	42.3	2,181	6.3	17,699	51.3	1,487	19,186	53.4
May	37,210	35,670	15,444	43.3	2,316	6.5	17,910	50.2	1,540	19,450	52.3
June	36,125	34,580	14,350	41.5	2,140	6.2	18,090	52.3	1,545	19,635	54.4
July	37,561	35,997	14,498	40.3	2,197	6.1	19,302	53.6	1,564	20,866	55.6
August	38,455	36,910	15,263	41.4	2,0[illegible]	5.7	19,548	53.0	1,545	21,093	54.8
September	36,971	35,568	14,829	41.7	[illegible]	5.5	18,782	52.8	1,403	20,185	54.6
October	38,749	37,290	15,952	42.8	2,138	5.7	19,200	51.5	1,459	20,659	53.3
November	37,977	36,626	15,283	41.7	2,678	7.3	18,665	51.0	1,351	20,016	52.7
December	39,116	37,745	14,710	39.0	2,715	7.2	20,320	53.8	1,371	21,691	55.4
1980											
January	39,512	38,243	15,355	40.2	1,879	4.9	21,009	54.9	1,269	22,278	56.4
February	37,623	36,327	14,519	40.0	2,084	5.7	19,724	54.3	1,296	21,020	55.9
March	40,425	38,785	14,873	38.3	2,134	5.5	21,778	56.2	1,640	23,418	57.9
April	39,783	38,095	14,515	38.1	2,357	6.2	21,223	55.7	1,688	22,911	57.6
May	41,496	39,745	15,014	37.8	2,280	5.7	22,451	56.5	1,751	24,202	58.3
June	40,430	38,705	13,835	35.7	2,397	6.2	22,473	58.1	1,725	24,198	59.8
July	41,563	39,770	14,740	37.1	2,204	5.5	22,826	57.4	1,793	24,619	59.2
August	41,633	39,893	14,526	36.4	2,164	5.4	23,203	58.2	1,740	24,943	59.9
September	41,015	39,389	14,839	37.7	1,962	5.0	22,588	57.3	1,626	24,214	59.0
October	41,897	40,256	15,502	38.5	2,085	5.2	22,669	56.3	1,641	24,310	58.0
November	40,389	38,918	14,243	36.6	2,697	6.9	21,978	56.5	1,471	23,449	58.0
December	41,608	40,198	14,880	37.0	2,712	6.7	22,606	56.2	1,410	24,016	57.7

TABLE 24. UTILIZATION OF MARKET AND OF MANUFACTURING SKIM MILK IN CALIFORNIA, 1979-1980

	TOTAL COMMERCIAL PRODUCTION	MARKET SKIM MILK							MANUFACTURING SKIM MILK	TOTAL AVAILABLE FOR MANUFACTURE (excluding mandatory Class 2 usage)	
	Market & Mfg.	Production	Class 1 Usage		Mandatory Class 2 Usage		All Other Usage		Production		
	Thousand Pounds	Thousand Pounds	Thousand Pounds	Percent of Production	Thousand Pounds	Percent of Production	Thousand Pounds	Percent of Production	Thousand Pounds	Thousand Pounds	Percent of Total Production
1979	12,045,587	11,603,015	6,112,170	52.7	932,968	8.0	4,557,877	39.3	442,572	5,000,449	41.5
1980	13,028,624	12,529,677	6,062,086	48.4	926,707	7.4	5,540,884	44.2	498,947	6,039,831	46.4
1979											
January	912,026	883,084	533,295	60.4	77,708	8.8	272,081	30.8	28,941	301,023	33.0
February	838,302	810,399	477,116	58.9	70,901	8.7	262,382	32.4	27,903	290,285	34.6
March	968,056	932,761	533,458	57.2	82,821	8.9	316,482	33.9	35,295	351,777	36.3
April	983,007	943,330	492,483	52.2	77,216	8.2	373,631	39.6	39,677	413,308	42.0
May	1,053,972	1,012,280	523,911	51.8	83,844	8.3	404,525	40.0	41,692	446,217	42.3
June	1,039,814	997,362	485,183	48.6	79,313	8.0	432,866	43.4	42,452	475,318	45.7
July	1,078,531	1,035,592	486,234	47.0	78,628	7.6	470,730	45.5	42,940	513,669	47.6
August	1,090,781	1,048,934	512,231	48.8	81,829	7.8	454,874	43.4	41,846	496,721	45.5
September	1,028,991	992,153	505,175	50.9	78,602	7.9	408,376	41.2	36,838	445,214	43.3
October	1,054,751	1,017,031	546,016	53.7	79,846	7.9	391,169	38.5	37,720	428,889	40.7
November	989,416	956,041	519,580	54.3	70,165	7.3	366,296	38.3	33,375	399,671	40.4
December	1,007,940	974,048	497,488	51.1	72,095	7.4	404,465	41.5	33,893	438,357	43.5
1980											
January	1,008,448	976,751	524,163	53.7	76,097	7.8	376,491	38.5	31,697	408,188	40.5
February	957,462	924,523	498,391	53.9	73,997	8.0	352,135	38.1	32,939	385,074	40.2
March	1,050,335	1,007,895	511,181	50.7	79,650	7.9	417,064	41.4	42,440	459,504	43.7
April	1,075,786	1,030,666	501,120	48.6	79,312	7.7	450,234	43.7	45,120	495,354	46.0
May	1,146,862	1,099,324	517,474	47.1	79,808	7.2	502,042	45.7	47,538	549,580	47.9
June	1,125,952	1,078,987	472,171	43.8	78,445	7.3	528,371	49.0	46,965	575,336	51.1
July	1,159,458	1,110,584	499,017	44.9	81,830	7.4	529,737	47.7	48,874	578,611	49.9
August	1,159,508	1,112,499	491,797	44.2	81,275	7.3	539,427	48.5	47,009	586,436	50.6
September	1,112,929	1,070,441	511,139	47.8	75,081	7.0	484,221	45.2	42,488	526,709	47.3
October	1,115,022	1,072,925	537,582	50.1	77,392	7.2	457,951	42.7	42,097	500,048	44.8
November	1,050,957	1,013,949	490,774	48.4	73,708	7.3	449,467	44.3	37,008	486,475	46.3
December	1,065,905	1,031,133	507,277	49.2	70,112	6.8	453,744	44.0	34,772	488,516	45.8

SALES OF FLUID DAIRY PRODUCTS

Total sales of Class 1 fluid market milk products in California during 1980 amounted to approximately 725 million gallons. This included 655 million gallons of fluid milk (whole milk, lowfat milk, and concentrated milk) 44.7 million gallons of fluid skim milk; 9.4 million gallons of half-and-half; and 16.1 million gallons of yogurt and other miscellaneous Class 1 products. The sales of fluid milk included 16 million gallons to the Federal Government and 639 million gallons to the civilian trade.

Beginning January 1974, changes were made in the usage classification of several products made with market grade milk. The changes which affect this section are as follows: (1) The product called flavored dairy drink was replaced by flavored lowfat milk, and flavored nonfat milk (these products are tabulated as part of lowfat fluid milk sales, and as part of fluid skim milk sales, respectively); (2) all fluid cream items except half-and-half became Class 2 usage items; and (3) yogurt sales plus sales of the Class 1 skim portion of imitation milk products have been tabulated as part of Class 1 sales. Because of these changes, few valid comparisons can be made between 1980 Class 1 sales and those for years prior to 1974.

Between 1979 and 1980, total Class 1 sales were down 0.9 percent. Sales of fluid milk dropped 1.1 percent; sales of fluid skim milk, declined 0.8 percent; and sales of fluid half-and-half were up 0.2 percent.

A summary of fluid milk sales by type of trade in California for the years 1963 through 1980 is presented in Table 36. During 1980, sales of fluid milk to the wholesale trade (stores, restaurants, schools, hospitals, etc.) by distributors on their own routes represented 84.4 percent of total sales; sales by distributors on their own routes to retail customers accounted for 0.4 percent; sales to retail customers cash-and-carry at ranch and/or processing plant, 1.0 percent; sales to subdistributors or peddlers for resale to the trade, 11.7 percent; and sales to the Federal Government, 2.5 percent.

TABLE 25. SALES OF MARKET MILK PRODUCTS, CALIFORNIA, 1963-1980
(Thousand Gallons)

	Fluid Market Milk 1/			Market skim milk	Flavored dairy drink	Half-and-half	Market Cream			Total Class 1
	Total	Federal Gov.	Other				Total	Sour	Other	
1963	532,492	35,484	497,008	33,920	10,712	14,211	4,351	2,592	1,759	595,686
1964	553,833	36,625	517,208	34,249	11,545	13,660	4,446	2,721	1,725	617,733
1965	557,694	34,989	522,705	33,088	11,031	12,984	4,549	2,869	1,680	619,346
1966	574,852	41,792	533,060	33,228	10,024	12,455	4,704	3,093	1,611	635,263
1967	574,084	40,897	533,187	34,015	9,637	11,711	4,647	3,120	1,527	634,094
1968	571,642	40,181	531,461	35,193	10,226	11,136	4,565	3,283	1,282	632,762
1969	568,672	37,630	531,042	34,904	10,341	10,412	4,197	3,350	847	628,526
1970	568,797	32,626	536,171	34,529	10,391	9,707	4,414	3,556	858	627,838
1971	569,655	30,396	539,259	36,220	9,864	8,427	4,516	3,597	919	628,682
1972	594,110	30,628	563,482	39,738	10,231	8,087	4,478	3,581	897	656,644
1973	600,990	30,178	570,812	41,523	9,820	8,166	4,605	3,773	832	665,104
1974	601,450	27,972	573,478	43,639	---	8,212	---	---	---	667,482 2/
1975	609,327	23,428	585,899	46,263	---	8,207	---	---	---	678,782 2/
1976	634,292	21,683	612,609	46,540	---	8,516	---	---	---	701,461 2/
1977	646,060	20,254	625,806	47,312	---	8,614	---	---	---	714,355 2/
1978	654,784	18,077	636,707	46,097	---	9,095	---	---	---	722,296 2/
1979	662,761	17,203	645,558	45,046	---	9,378	---	---	---	731,723 2/
1980	655,268	16,243	639,025	44,695	---	9,395	---	---	---	725,457 2/
1977										
January	54,770	1,733	53,037	3,949		692				60,352
February	49,858	1,587	48,271	3,704		648				55,133
March	56,407	1,850	54,557	4,254	Included	723				62,473
April	53,210	1,709	51,501	4,033	in	709				59,033
May	54,174	1,627	52,547	4,090	Fluid	717	No longer Class 1			60,091
June	50,936	1,647	49,289	3,819	Milk	704	products			56,514
July	51,533	1,589	49,944	3,682	and	720				56,962
August	54,109	1,719	52,390	3,704	Fluid	728				59,668
September	55,597	1,741	53,856	4,010	Skim	707				61,440
October	56,076	1,654	54,422	4,245	Milk	704				62,103
November	54,566	1,662	52,904	4,071		747				60,351
December	54,824	1,736	53,088	3,751		815				62,235
1978										
January	55,366	1,565	53,801	4,065		710				61,161
February	50,521	1,441	49,080	3,720		677				55,939
March	56,120	1,589	54,531	4,156	Included	770				62,168
April	52,932	1,477	51,455	3,961	in	730				58,685
May	55,412	1,465	53,947	4,101	Fluid	766	No longer Class 1			61,449
June	52,824	1,440	51,384	3,779	Milk	758	products			58,403
July	52,370	1,442	50,928	3,492	and	782				57,667
August	55,217	1,547	53,670	3,553	Fluid	782				60,570
September	56,377	1,537	54,840	3,760	Skim	758				61,864
October	58,528	1,553	56,975	4,065	Milk	748				64,468
November	55,605	1,559	54,046	3,822		776				61,119
December	53,512	1,462	52,050	3,623		836				58,803
1979										
January	57,980	1,597	56,383	3,997		787				63,850
February	51,750	1,409	50,341	3,602		755				57,124
March	57,856	1,559	56,297	4,054	Included	801				63,863
April	53,382	1,383	51,999	3,656	in	763				58,962
May	56,704	1,482	55,222	3,937	Fluid	795	No longer Class 1			62,716
June	52,526	1,451	51,075	3,587	Milk	766	products			58,085
July	52,812	1,355	51,457	3,433	and	786				58,225
August	55,687	1,403	54,284	3,552	Fluid	806				61,336
September	54,693	1,398	53,295	3,735	Skim	711				60,466
October	58,953	1,461	57,492	4,141	Milk	776				65,345
November	56,359	1,428	54,931	3,808		801				62,193
December	54,059	1,277	52,782	3,544		831				59,558
1980										
January	56,918	1,434	55,484	3,746		769				62,735
February	53,761	1,338	52,423	3,734		740				59,641
March	55,056	1,365	53,691	3,897	Included	773				61,169
April	53,807	1,398	52,409	3,949	in	757				59,958
May	55,673	1,339	54,334	3,939	Fluid	792	No longer Class 1			61,917
June	50,782	1,172	49,610	3,536	Milk	772	products			56,512
July	54,059	1,380	52,679	3,482	and	809				59,739
August	53,329	1,320	52,009	3,437	Fluid	784				58,875
September	55,339	1,373	53,966	3,712	Skim	765				61,160
October	58,068	1,455	56,613	4,070	Milk	796				64,312
November	53,236	1,337	51,899	3,601		781				58,723
December	55,240	1,332	53,908	3,591		857				60,716

1/ Includes lowfat market milk and whole-milk equivalent of concentrated fluid milk.

2/ Includes yogurt and miscellaneous Class 1 Products.

TABLE 26. CLASS 1 SALES OF SELECTED FLUID MARKET MILK PRODUCTS, BY MARKETING AREAS, CALIFORNIA, 1980 (Gallons)

Marketing Area	Market Whole Milk 1/	Market Lowfat Milk	Market Skim Milk	Half-and-Half	Total Class 1
Central Coast Co's	73,925,956	53,186,258	7,935,433	2,460,451	Sales of yogurt and miscellaneous Class 1 products not available by marketing areas
Redwood	12,567,328	8,854,934	1,302,425	406,285	
North Valley	43,667,180	29,494,008	3,280,994	896,606	
Central Valley	1,814,898	887,766	122,774	15,791	
South Valley	28,841,967	12,302,262	1,544,129	352,305	
Southern California	262,340,140	122,421,954	30,271,697	5,193,425	
Del Norte-Humboldt	2,405,581	1,508,624	211,768	48,231	
Siskiyou	484,952	228,357	17,715	6,639	
Out of Area	247,301	90,363	7,600	15,659	
STATE	426,295,303	228,974,526	44,694,535	9,395,392	725,456,725

1/ Includes whole-milk equivalent of concentrated market milk.

TABLE 27. TOTAL CLASS 1 SALES OF MARKET MILK PRODUCTS, BY MARKETING AREAS, CALIFORNIA, 1980* (Gallons)

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
Central Coast Co's	6,393,759	6,067,645	6,196,525	6,172,901	6,316,368	5,837,172	6,211,716	6,124,597	6,093,850	6,291,754	5,913,571	6,168,251
Redwood	1,109,816	1,043,151	1,060,267	1,053,277	1,068,737	974,780	1,024,824	1,046,710	1,048,868	1,071,940	988,290	1,041,391
North Valley	3,754,300	3,535,959	3,534,930	3,393,922	3,546,074	3,363,531	3,646,107	3,800,885	3,844,889	3,992,298	3,481,451	3,694,321
Central Valley	154,203	135,556	142,625	141,158	144,711	146,219	157,596	157,656	155,062	162,453	147,970	164,742
South Valley	2,518,567	2,268,182	2,347,346	2,315,373	2,390,992	2,321,628	2,517,760	2,448,484	2,470,236	2,522,367	2,266,566	2,437,454
Southern California	23,089,057	21,736,957	22,303,536	21,553,144	22,246,967	20,558,794	22,091,484	21,710,303	21,704,354	22,552,211	20,882,104	21,869,370
Del Norte-Humboldt	215,287	203,556	206,405	202,298	211,159	189,148	206,073	194,586	195,553	200,310	178,043	193,629
Siskiyou	73,889	61,523	67,684	65,547	72,274	64,195	76,213	—	—	—	—	—
Out of Area	19,435	19,143	19,186	18,990	20,651	21,240	24,169	24,622	20,605	21,330	18,106	19,824
STATE	37,328,313	35,071,672	35,878,504	34,916,610	36,017,933	33,476,707	35,955,942	35,507,843	35,533,417	36,814,663	33,876,101	35,588,982

*Sales of yogurt and miscellaneous Class 1 products not available by marketing areas.

TABLE 28. TOTAL SALES OF MARKET WHOLE MILK AND LOWFAT MILK, BY MARKETING AREAS, CALIFORNIA, 1980* (Gallons)

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
Central Coast Co's	10,955,228	10,417,327	10,744,958	10,735,045	10,993,578	9,926,311	10,331,223	10,186,159	10,619,345	11,064,080	10,340,944	10,660,169
Redwood	1,834,627	1,736,821	1,778,114	1,772,821	1,821,018	1,650,670	1,734,366	1,774,039	1,824,916	1,892,441	1,743,616	1,823,536
North Valley	6,234,809	5,891,495	5,968,203	5,754,887	6,014,673	5,493,121	5,905,737	6,169,082	6,587,799	6,867,137	5,973,340	6,222,392
Central Valley	218,212	195,040	208,578	208,189	223,557	213,862	223,088	222,376	242,097	255,181	236,767	250,770
South Valley	3,576,493	3,238,310	3,365,880	3 338,941	3,431,679	3,239,509	3,438,714	3,350,560	3,608,680	3,719,786	3,318,713	3,499,952
Southern California	33,597,433	31,818,621	32,504,217	31,518,053	32,681,074	29,804,622	31,925,747	31,260,051	32,059,921	33,868,064	31,272,408	32,410,024
Del Norte-Humboldt	341,079	323,174	331,690	329,499	344,291	306,244	329,430	309,092	327,320	339,635	301,511	321,706
Siskiyou	107,383	90,472	99,999	98,656	107,797	94,109	111,266	—	—	—	—	—
Out of Area	25,568	25,674	25,874	25,269	27,616	28,468	31,967	33,159	29,195	30,328	25,970	28,576
STATE	56,890,832	53,736,934	55,027,513	53,781,360	55,645,283	50,756,916	54,031,538	53,304,518	55,299,273	58,036,652	53,213,269	55,217,125

*Sales of market whole milk and lowfat milk to the Federal Government are included.

TABLE 29. SALES OF MARKET WHOLE MILK AND LOWFAT MILK, BY MARKETING AREAS, CALIFORNIA, 1980* (Gallons)

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
Central Coast Co's	10,730,054	10,199,191	10,527,459	10,504,739	10,765,189	9,699,971	10,036,497	9,883,213	10,332,688	10,757,283	10,071,028	10,398,457
Redwood	1,738,279	1,640,473	1,681,766	1,670,620	1,718,326	1,560,072	1,632,404	1,676,918	1,732,025	1,790,543	1,648,514	1,728,745
North Valley	6,105,681	5,771,822	5,846,183	5,619,295	5,890,593	5,369,976	5,777,812	6,057,368	6,468,723	6,741,603	5,854,298	6,102,930
Central Valley	157,910	141,645	149,585	154,068	169,289	163,016	171,481	172,008	182,544	190,334	175,070	187,443
South Valley	3,545,091	3,209,613	3,335,092	3,308,474	3,401,606	3,210,031	3,409,332	3,322,699	3,576,955	3,687,524	3,292,142	3,471,524
Southern California	32,707,360	30,998,028	31,666,125	30,673,952	31,883,123	29,154,985	31,152,636	30,530,478	31,277,268	33,044,667	30,507,767	31,646,153
Del Norte-Humboldt	339,225	321,821	330,311	328,026	342,745	304,668	328,013	308,214	326,785	338,928	301,034	321,143
Siskiyou	107,383	90,472	99,999	98,656	107,797	94,109	111,266	—	—	—	—	—
Out of Area	25,568	25,674	25,874	25,269	27,616	28,468	31,967	33,159	29,195	30,328	25,970	28,576
STATE	55,456,551	52,398,739	53,662,394	52,383,099	54,306,284	49,585,296	52,651,408	51,984,057	53,926,183	56,581,210	51,875,823	53,884,971

*Sales of market whole milk and lowfat milk to the Federal Government are not included. They are shown separately in Table 30.

TABLE 30. SALES OF MARKET WHOLE MILK AND LOWFAT MILK TO THE FEDERAL GOVERNMENT, BY MARKETING AREAS, CALIFORNIA, 1980 (Gallons)

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
Central Coast Co's	225,174	218,136	217,499	230,306	228,389	226,340	294,726	302,946	286,657	306,797	269,916	261,712
Redwood	96,348	96,348	96,348	102,201	102,692	90,598	101,962	97,121	92,891	101,898	95,102	94,791
North Valley	129,128	119,673	122,020	135,592	124,080	123,145	127,925	111,714	119,076	125,534	119,042	119,462
Central Valley	60,302	53,395	58,993	54,121	54,268	50,846	51,607	50,368	59,553	64,847	61,697	63,327
South Valley	31,402	28,697	30,788	30,467	30,073	29,478	29,382	27,861	31,725	32,262	26,571	28,428
Southern California	890,073	820,593	838,092	844,101	797,951	649,637	773,111	729,573	782,653	823,397	764,641	763,871
Del Norte-Humboldt	1,854	1,353	1,379	1,473	1,546	1,576	1,417	878	535	707	477	563
Siskiyou	---	---	---	---	---	---	---	---	---	---	---	---
Out of Area	---	---	---	---	---	---	---	---	---	---	---	---
STATE	1,434,281	1,338,195	1,365,119	1,398,261	1,338,999	1,171,620	1,380,130	1,320,461	1,373,090	1,455,442	1,337,446	1,332,154

TABLE 31. SALES OF MARKET WHOLE MILK, BY MARKETING AREAS, CALIFORNIA, 1980* (Gallons)

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
Central Coast Co's	6,405,000	6,077,146	6,209,245	6,185,033	6,329,226	5,848,269	6,223,887	6,136,189	6,105,376	6,303,553	5,924,320	6,178,712
Redwood	1,113,122	1,046,028	1,063,360	1,056,196	1,071,797	977,624	1,028,112	1,049,566	1,052,006	1,074,976	990,879	1,043,662
North Valley	3,759,934	3,541,311	3,540,207	3,398,983	3,551,372	3,368,097	3,651,603	3,806,093	3,862,505	4,001,775	3,486,047	3,699,253
Central Valley	154,923	136,459	142,868	141,431	144,975	146,504	157,896	157,956	155,791	162,891	148,192	165,012
South Valley	2,519,236	2,268,815	2,348,495	2,316,417	2,392,572	2,323,461	2,519,074	2,449,684	2,473,821	2,524,302	2,267,565	2,438,525
Southern California	23,093,236	21,740,566	22,307,352	21,556,675	22,250,615	20,562,304	22,094,982	21,713,522	21,707,573	22,555,568	20,885,077	21,872,670
Del Norte-Humboldt	216,259	204,513	207,389	203,291	212,161	189,925	206,898	195,186	196,210	200,994	178,739	194,016
Siskiyou	74,387	62,006	68,224	66,039	72,847	64,684	76,765	---	---	---	---	---
Out of Area	19,435	19,143	19,186	18,990	20,651	21,240	24,169	24,622	20,605	21,330	18,106	19,824
STATE	37,355,532	35,095,987	35,906,326	34,943,055	36,046,216	33,502,108	35,983,386	35,532,818	35,573,887	36,845,389	33,898,925	35,611,674

*Includes whole-milk equivalent of concentrated market milk.

TABLE 32. SALES OF LOWFAT MARKET MILK, BY MARKETING AREAS, CALIFORNIA, 1980* (Gallons)

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
Central Coast Co's	4,561,469	4,349,682	4,548,433	4,562,144	4,677,210	4,089,139	4,119,507	4,061,562	4,525,495	4,772,326	4,427,373	4,491,918
Redwood	724,811	693,670	717,847	719,544	752,281	675,890	709,542	727,329	776,048	820,501	755,326	782,145
North Valley	2,480,509	2,355,536	2,433,273	2,360,965	2,468,599	2,129,590	2,259,630	2,368,197	2,742,910	2,874,839	2,491,889	2,528,071
Central Valley	64,009	59,484	65,953	67,031	78,846	67,643	65,492	64,720	87,035	92,728	88,797	86,028
South Valley	1,057,926	970,128	1,018,534	1,023,568	1,040,687	917,881	920,954	902,076	1,138,444	1,197,419	1,052,147	1,062,498
Southern California	10,508,376	10,081,664	10,200,681	9,964,909	10,434,107	9,245,828	9,834,263	9,549,748	10,355,567	11,315,853	10,390,304	10,540,654
Del Norte-Humboldt	125,792	119,618	125,285	127,201	133,132	117,096	123,357	114,506	131,767	139,325	123,468	128,077
Siskiyou	33,494	28,949	32,315	33,109	35,523	29,914	35,053	---	---	---	---	---
Out of Area	6,133	6,531	6,688	6,279	6,965	7,228	7,798	8,537	8,590	8,998	7,864	8,752
STATE	19,562,519	18,665,262	19,149,009	18,864,750	19,627,350	17,280,209	18,075,596	17,796,675	19,765,856	21,221,989	19,337,168	19,628,143

*These data are included in Tables 28, 29, 30, and 36 to 41 inclusive.

TABLE 33. SALES OF MARKET SKIM MILK, BY MARKETING AREAS, CALIFORNIA, 1980 (Gallons)

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
Central Coast Co's	679,964	654,437	683,309	670,573	704,148	635,803	658,299	640,473	668,511	672,483	640,409	627,024
Redwood	108,638	103,321	108,240	107,268	111,400	104,324	108,947	108,509	111,750	115,489	105,342	109,197
North Valley	276,268	266,246	275,355	268,896	280,370	261,532	271,553	276,512	285,673	302,226	259,948	256,415
Central Valley	16,658	15,533	8,836	8,866	8,888	9,311	9,039	9,237	9,092	10,053	8,936	8,325
South Valley	128,558	119,880	135,434	130,531	132,492	126,959	131,045	127,012	133,151	137,698	118,634	122,735
Southern California	2,513,225	2,553,793	2,663,661	2,740,785	2,678,865	2,378,285	2,281,688	2,258,858	2,486,537	2,813,539	2,451,233	2,451,228
Del Norte-Humboldt	19,402	17,972	19,124	18,892	19,938	16,780	17,871	15,639	16,875	17,634	15,913	15,728
Siskiyou	2,294	2,327	2,452	2,480	2,787	2,588	2,787	---	---	---	---	---
Out of Area	568	564	586	609	610	673	665	758	667	695	568	637
STATE	3,745,575	3,734,073	3,896,997	3,948,900	3,939,498	3,536,255	3,481,894	3,436,998	3,712,256	4,069,817	3,600,983	3,591,289

TABLE 34. SALES OF HALF-AND-HALF, BY MARKETING AREAS, CALIFORNIA, 1980 (Gallons)

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
Central Coast Co's	201,494	193,043	200,205	199,337	212,702	198,374	208,297	205,651	198,015	206,752	205,037	231,544
Redwood	32,589	31,188	32,529	32,818	34,841	32,209	34,955	34,530	33,310	33,505	34,031	39,693
North Valley	72,532	66,427	70,244	68,368	74,794	73,485	81,947	79,582	73,823	76,274	75,252	83,878
Central Valley	1,861	1,690	949	1,031	1,293	1,284	1,444	1,320	1,211	1,273	1,182	1,253
South Valley	26,007	23,509	28,656	27,330	28,737	39,081	35,294	30,580	27,243	27,512	28,006	30,270
Southern California	428,447	418,850	435,116	422,533	433,622	420,853	440,361	426,118	426,216	445,595	431,725	463,989
Del Norte-Humboldt	3,665	3,526	3,650	3,797	4,113	4,040	4,518	4,282	3,995	3,936	3,936	4,773
Siskiyou	908	793	859	865	1,003	1,006	1,175	---	---	---	---	---
Out of Area	1,003	1,179	1,227	1,176	1,324	1,467	1,461	1,547	1,368	1,308	1,233	1,286
STATE	768,506	740,205	773,465	757,255	792,429	771,799	809,452	783,610	765,181	796,325	780,482	856,683

TABLE 35. SALES OF CLASS 1 YOGURT 1/, CALIFORNIA, 1976, 1977, 1978, 1979 AND 1980 (Gallons)

	1976	1977	1978	1979	1980
January	842,542	840,848	946,944	1,041,653	1,270,994
February	819,235	840,189	955,134	979,654	1,375,360
March	952,685	1,000,518	1,047,245	1,112,377	1,411,460
April	860,825	1,002,256	999,083	1,120,263	1,418,033
May	881,537	1,024,513	1,099,612	1,241,333	1,482,010
June	860,881	982,821	979,419	1,171,482	1,393,047
July	901,004	954,406	966,629	1,155,436	1,361,068
August	927,556	1,047,699	965,313	1,252,284	1,295,974
September	952,977	1,038,497	949,304	1,288,544	1,316,919
October	964,425	997,270	1,075,560	1,437,105	1,350,747
November	852,546	893,752	871,461	1,184,802	1,078,230
December	744,187	768,518	787,560	1,090,876	998,967
TOTAL	10,560,400	11,391,287	11,643,264	14,075,809	15,752,809

1/ Included out of State sales prior to 1976.

TABLE 36. SALES OF FLUID MILK 1/, BY TYPE OF TRADE, CALIFORNIA, 1963-1980
(Thousand Gallons)

	Wholesale	Retail	Cash-and-Carry	Peddler	Federal Government	Total
1963	283,602	116,808	43,662	49,517	35,484	529,073
1964	300,032	118,045	43,965	52,020	36,625	550,687
1965	312,380	112,470	41,544	53,481	34,989	554,864
1966	328,760	105,551	39,502	56,473	41,792	572,078
1967	340,231	94,689	37,919	57,665	40,897	571,401
1968	350,504	83,247	35,293	59,935	40,181	569,160
1969	361,007	71,788	33,587	62,570	37,630	566,582
1970	379,699	49,879	31,690	73,051	32,626	566,945
1971	392,862	36,244	26,471	82,058	30,396	568,031
1972	416,564	31,096	24,880	89,512	30,628	592,680
1973	428,065	26,436	21,495	93,488	30,178	599,662
1974	439,995	16,668	18,779	96,472	27,973	599,887
1975	462,723	11,208	15,179	95,128	23,428	607,666
1976	488,481	8,610	12,141	101,974	21,683	632,889
1977	516,333	6,631	9,850	92,146	20,254	645,214
1978	538,073	5,534	8,607	83,983	18,077	654,274
1979	552,364	4,650	7,596	80,735	17,203	662,548
1980	552,691	2,814	6,509	76,682	16,245	654,941
1977						
January	43,376	637	982	7,938	1,733	54,666
February	39,498	563	847	7,275	1,587	49,770
March	44,439	624	896	8,504	1,850	56,313
April	41,982	554	811	8,071	1,708	53,126
May	43,076	566	813	8,011	1,627	54,093
June	40,703	500	752	7,254	1,647	50,856
July	41,518	460	759	7,156	1,589	51,482
August	43,399	472	787	7,718	1,719	54,095
September	44,510	583	809	7,905	1,741	55,548
October	45,334	572	825	7,624	1,654	56,009
November	44,141	565	787	7,344	1,663	54,500
December	44,357	535	782	7,346	1,736	54,756
1978						
January	45,145	557	801	7,227	1,565	55,295
February	41,290	485	700	6,542	1,441	50,458
March	46,068	534	761	7,100	1,589	56,052
April	43,370	496	743	6,787	1,477	52,873
May	45,316	529	726	7,323	1,465	55,359
June	43,533	428	669	6,712	1,440	52,782
July	43,307	378	650	6,550	1,442	52,327
August	45,391	391	700	7,187	1,547	55,216
September	46,234	468	721	7,403	1,537	56,363
October	48,011	461	738	7,738	1,553	58,501
November	45,834	421	752	7,006	1,559	55,572
December	44,574	386	646	6,408	1,462	53,476
1979						
January	48,164	439	703	7,041	1,597	57,944
February	43,007	394	634	6,272	1,409	51,716
March	48,192	462	677	6,928	1,559	57,818
April	44,469	393	645	6,459	1,383	53,349
May	46,981	412	644	7,151	1,482	56,670
June	43,630	338	581	6,491	1,451	52,491
July	43,962	314	619	6,529	1,355	52,779
August	46,531	308	655	6,758	1,403	55,655
September	45,604	418	603	6,641	1,398	54,664
October	49,118	424	654	7,263	1,461	58,920
November	47,063	392	606	6,841	1,428	56,330
December	45,643	356	575	6,361	1,277	54,212
1980						
January	47,800	342	602	6,713	1,434	56,891
February	45,162	324	574	6,339	1,338	53,737
March	46,309	273	585	6,496	1,365	55,028
April	45,172	259	562	6,390	1,398	53,781
May	46,594	276	576	6,860	1,339	55,645
June	42,995	228	512	5,850	1,172	50,757
July	45,703	205	508	6,236	1,380	54,032
August	45,108	173	514	6,189	1,320	53,304
September	46,506	186	533	6,701	1,373	55,299
October	49,166	193	551	6,671	1,456	58,037
November	45,073	163	488	6,151	1,338	53,213
December	47,103	192	504	6,086	1,332	55,217

1/ Includes lowfat milk.

TABLE 37. SALES OF FLUID MILK, *BY TYPE OF TRADE, BY MARKETING AREAS, CALIFORNIA, 1980 (Gallons)

Marketing Area	Wholesale	Retail	Cash-and-Carry	Peddler	Federal Government	Total
Central Coast Co's	111,870,511	346,959	701,709	10,986,590	3,068,598	126,974,367
Redwood	15,848,412	—	212,891	4,157,382	1,168,300	21,386,985
North Valley	54,755,112	64,459	90,252	16,696,461	1,476,391	73,082,675
Central Valley	1,626,958	—	—	387,435	683,324	2,697,717
South Valley	30,757,646	819,358	414,645	8,778,434	357,134	41,127,217
Southern California	334,874,346	1,572,047	5,049,709	33,746,440	9,477,693	384,720,235
Del Norte-Humboldt	2,669,783	10,609	40,216	1,170,305	13,758	3,904,671
Siskiyou	288,334	—	—	421,348	—	709,682
Out of Area	—	—	—	337,664	—	337,664
STATE	552,691,102	2,813,432	6,509,422	76,682,059	16,245,198	654,941,213

*Includes lowfat market milk.

TABLE 38. WHOLESALE SALES OF MARKET WHOLE MILK AND LOWFAT MILK, BY MARKETING AREAS, CALIFORNIA, 1980 (Gallons)

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
Central Coast Co's	9,673,192	9,211,326	9,535,187	9,469,850	9,690,664	8,771,901	9,117,406	8,966,516	9,272,946	9,623,701	9,119,036	9,418,786
Redwood	1,357,673	1,286,395	1,323,591	1,296,785	1,316,531	1,212,426	1,258,999	1,306,138	1,334,631	1,411,492	1,337,965	1,405,786
North Valley	4,669,024	4,416,830	4,490,215	4,257,802	4,447,212	4,078,278	4,355,209	4,588,845	4,816,715	5,238,363	4,582,435	4,814,184
Central Valley	125,674	110,512	117,758	121,438	134,849	129,736	135,162	135,698	146,379	159,637	150,256	159,859
South Valley	2,700,080	2,416,710	2,539,560	2,491,366	2,537,427	2,428,241	2,553,147	2,486,506	2,665,034	2,782,176	2,515,482	2,641,917
Southern California	28,994,767	27,460,967	28,031,784	27,269,651	28,189,965	26,127,754	28,013,192	27,417,592	28,052,368	29,717,908	27,161,727	28,436,671
Del Norte-Humboldt	233,420	223,829	229,413	225,838	235,145	208,664	223,812	206,225	218,854	231,755	207,877	224,951
Siskiyou	45,454	35,764	40,698	39,815	42,860	38,959	44,784	—	—	—	—	—
Out of Area	—	—	—	—	—	—	—	—	—	—	—	—
STATE	47,799,284	45,162,333	46,308,206	45,172,545	46,594,653	42,995,959	45,701,711	45,107,520	46,506,927	49,165,032	45,074,778	47,102,154

TABLE 39. RETAIL HOME-DELIVERED SALES OF MARKET WHOLE MILK AND LOWFAT MILK, BY MARKETING AREAS, CALIFORNIA, 1980 (Gallons)

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
Central Coast Co's	87,470	80,521	27,461	27,057	20,663	15,935	16,770	13,671	14,259	14,891	13,999	14,262
Redwood	---	---	---	---	---	---	---	---	---	---	---	---
North Valley	8,031	6,867	7,006	6,428	5,338	4,802	4,802	4,236	4,300	4,382	3,961	4,306
Central Valley	---	---	---	---	---	---	---	---	---	---	---	---
South Valley	71,226	66,545	66,626	67,250	70,291	78,628	64,244	62,311	68,082	70,565	64,148	69,442
Southern California	174,732	168,629	170,796	157,163	178,519	127,806	118,602	91,956	98,449	102,628	79,849	102,918
Del Norte-Humboldt	832	894	966	962	1,040	893	906	909	874	774	739	820
Siskiyou	---	---	---	---	---	---	---	---	---	---	---	---
Out of Area	---	---	---	---	---	---	---	---	---	---	---	---
STATE	342,291	323,456	272,855	258,860	275,851	228,064	205,324	173,083	185,964	193,240	162,696	191,748

TABLE 40. CASH-AND-CARRY SALES OF MARKET WHOLE MILK AND LOWFAT MILK, BY MARKETING AREAS, CALIFORNIA, 1980 (Gallons)

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
Central Coast Co's	62,466	55,154	60,946	61,938	61,907	56,860	48,217	52,105	66,668	63,283	56,150	56,015
Redwood	18,121	18,656	19,165	19,218	18,570	16,570	17,727	17,366	16,907	17,868	16,425	16,298
North Valley	8,965	8,053	7,820	6,900	7,733	7,013	6,329	6,464	7,161	7,896	7,475	8,443
Central Valley	---	---	---	---	---	---	---	---	---	---	---	---
South Valley	26,207	27,764	24,335	26,416	26,693	27,597	36,130	42,307	43,871	46,671	41,968	44,686
Southern California	482,935	460,389	469,326	443,236	458,096	400,632	397,078	393,024	395,064	412,116	362,174	375,639
Del Norte-Humboldt	3,679	3,806	3,502	3,952	3,159	3,003	2,421	2,871	3,125	3,712	3,493	3,493
Siskiyou	---	---	---	---	---	---	---	---	---	---	---	---
Out of Area	---	---	---	---	---	---	---	---	---	---	---	---
STATE	602,373	573,822	585,094	561,660	576,158	511,675	507,902	514,137	532,796	551,546	487,685	504,574

TABLE 41. PEDDLER SALES OF MARKET WHOLE MILK AND LOWFAT MILK, BY MARKETING AREAS, CALIFORNIA, 1980 (Gallons)

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
Central Coast Co's	906,926	852,190	903,865	945,894	991,955	855,275	854,104	850,921	978,815	1,055,408	881,843	909,394
Redwood	362,485	335,422	339,010	354,617	383,225	331,076	355,678	353,414	380,487	361,183	294,124	306,661
North Valley	1,419,661	1,340,072	1,341,142	1,348,165	1,430,310	1,279,883	1,411,472	1,457,823	1,640,547	1,490,962	1,260,427	1,275,997
Central Valley	32,236	31,133	31,827	32,630	34,440	33,280	36,319	36,310	36,165	30,697	24,814	27,584
South Valley	747,578	698,594	704,571	723,442	767,195	675,565	755,811	731,575	799,968	788,112	670,544	715,479
Southern California	3,054,926	2,908,043	2,994,219	2,803,902	3,056,543	2,498,793	2,623,764	2,627,906	2,731,387	2,812,015	2,904,017	2,730,925
Del Norte-Humboldt	101,294	93,292	96,430	97,274	103,401	92,108	100,874	98,209	103,932	102,687	88,925	91,879
Siskiyou	61,929	54,708	59,301	58,841	64,937	55,150	66,482	---	---	---	---	---
Out of Area	25,568	25,674	25,874	25,269	27,616	28,468	31,967	33,159	29,195	30,328	25,970	28,576
STATE	6,712,603	6,339,128	6,496,239	6,390,034	6,859,622	5,849,598	6,236,471	6,189,317	6,700,496	6,671,392	6,150,664	6,086,495

DAIRY PRODUCTS MANUFACTURED

Approximately 185 million pounds of butter were manufactured in California during 1980. This was 26.0 percent more than 1979 and over 2 times the amount produced 10 years earlier (1970).

The total manufacture of cheese, other than cottage cheese, in California during 1980 was approximately 181 million pounds. This production was 19.5 percent more than in 1979 and about 11 times the amount produced 10 years earlier. Of the cheese manufactured in 1980 approximately 81 million pounds were whole-milk varieties and 101 million pounds were part-skim and full-skim varieties. Between 1979 and 1980, the manufacture of whole-milk cheese increased 44.4 percent and the manufacture of part-skim and full-skim cheese rose 5.1 percent. Table 46 represents the annual manufacture of cheese in California by major varieties for 1969 through 1980.

During 1980, approximately 101 million pounds of cottage cheese (dry curd) were manufactured in California. The addition of creaming mixtures to this curd resulted in an output of 96.6 million pounds of cottage cheese and 49.9 million pounds of lowfat cottage cheese. The combined total of 146.5 million pounds manufactured represents cottage cheese in the form in which most of it is consumed. Between 1979 and 1980, the manufacture of cottage cheese and lowfat cottage cheese combined decreased approximately 0.5 percent. The manufacture of lowfat cottage cheese increased 6.6 percent while the manufacture of cottage cheese decreased 3.8 percent.

During 1980 approximately 131 million pounds of bulk unsweetened condensed skim milk were manufactured. This amounted to 12.5 percent more than was manufactured during 1979.

During 1980 approximately 243 million pounds of nonfat-dry-milk for human consumption and 1.6 million pounds of nonfat-dry-milk for animal feed were manufactured in California. This was an increase of 28.7 percent from 1979 for nonfat-dry-milk for human consumption and 29.5 percent for nonfat-dry-milk for animal feed.

Approximately 10.8 million gallons of fluid buttermilk were manufactured in California during 1980. This was 5.0 percent less than the output during 1979.

The manufacture of frozen dairy products in California during 1980 included approximately 91 million gallons of ice cream; 29 million gallons of ice milk; 5 million gallons of sherbet; 1.3 million gallons of imitation ice cream; and 1 million gallons of imitation ice milk. The total of 127 million gallons was 1.0 percent more than that manufactured during 1979. The above figures do not include approximately 3 million gallons of frozen yogurt manufactured in California in 1980. The manufacture of ice cream rose 1.8 percent. During the same period the manufacture of ice milk increased 1.2 percent, the manufacture of sherbet decreased 3.3 percent, the manufacture of imitation ice cream dropped 16.7 percent, and the manufacture of imitation ice milk was down 17.3 percent.

TABLE 42. MANUFACTURE OF BUTTER IN CALIFORNIA 1970-1980 (Pounds)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
January	6,474,984	8,054,108	9,386,274	10,747,814	10,962,167	12,592,617	13,936,278	14,651,221	16,389,834	13,706,153	17,472,840
February	6,003,928	6,879,022	8,601,168	9,148,061	9,989,288	11,202,981	12,275,942	12,123,977	13,686,543	11,204,275	14,368,038
March	7,353,827	7,564,415	9,210,063	9,896,787	10,151,825	11,694,039	13,381,540	14,640,591	13,185,028	10,475,405	15,021,046
April	6,972,029	8,039,861	9,400,225	9,089,760	11,072,643	12,346,089	12,676,329	12,989,137	11,994,616	12,368,969	15,708,064
May	7,684,949	8,763,745	10,208,949	9,311,851	11,202,095	12,152,798	13,157,264	14,192,474	11,799,244	12,422,328	16,267,872
June	7,872,802	8,850,557	10,239,096	9,261,617	10,944,203	10,661,744	12,762,151	13,486,607	10,409,551	11,563,892	14,940,750
July	7,719,720	9,243,880	9,933,906	9,037,054	11,306,455	11,825,001	12,262,099	12,721,550	11,422,898	12,035,293	15,712,291
August	7,990,608	7,925,429	9,876,689	8,991,494	10,995,455	11,774,787	12,853,778	12,038,240	10,539,619	12,783,856	14,458,690
September	6,973,300	7,231,483	9,314,115	8,054,716	9,914,230	10,514,034	11,398,496	11,806,168	11,203,995	12,166,567	15,861,546
October	7,189,765	7,658,628	9,226,107	9,537,611	10,197,702	10,564,615	11,857,142	13,231,827	9,629,160	12,738,973	15,906,239
November	6,332,925	6,468,192	8,167,524	8,163,152	8,643,438	9,993,856	9,275,922	11,621,442	8,443,751	12,250,821	13,560,172
December	7,398,088	7,777,524	8,814,959	8,855,105	10,229,583	10,326,667	11,198,867	13,439,129	10,230,387	13,250,536	15,905,969
Total	85,966,925	94,456,844	112,379,075	110,095,022	125,609,084	135,649,228	147,035,808	156,942,363	138,934,626	146,967,068	185,183,517

TABLE 43. MANUFACTURE OF CHEESE (EXCLUDING COTTAGE CHEESE) IN CALIFORNIA, 1970-1980 (Pounds)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
January	1,139,039	1,496,209	1,749,741	2,233,308	4,649,592	6,202,997	7,476,324	8,158,312	10,328,275	10,766,265	14,352,620
February	1,164,828	1,473,051	1,852,245	2,289,013	4,484,033	5,876,912	7,637,086	8,118,298	9,626,606	10,342,118	13,146,565
March	1,454,465	1,813,121	2,169,374	2,899,174	5,033,831	6,665,847	9,044,514	9,878,286	11,967,421	12,547,113	15,308,768
April	1,433,344	1,831,925	2,087,511	3,292,223	5,435,744	6,286,724	9,559,424	9,916,529	10,775,623	11,842,136	14,946,930
May	1,547,230	1,795,866	2,301,725	3,819,122	5,872,282	7,471,913	10,379,926	11,314,658	11,310,657	12,228,238	13,378,250
June	1,535,679	1,901,027	2,271,378	3,874,440	5,432,056	8,217,868	11,023,764	11,029,671	11,456,958	12,025,544	14,002,562
July	1,548,661	1,953,635	2,231,925	4,372,380	5,887,643	9,399,952	10,103,545	11,163,118	11,853,075	12,778,746	14,398,465
August	1,528,600	1,831,189	2,331,216	4,374,188	5,893,822	9,615,096	10,392,298	11,243,315	12,447,630	13,591,125	14,636,988
September	1,510,145	1,798,936	2,254,258	4,142,191	5,635,315	8,455,844	9,128,563	10,723,482	11,894,911	12,093,152	16,334,455
October	1,518,323	1,837,531	2,337,710	4,713,454	6,064,461	8,152,451	8,804,821	10,997,352	11,701,208	13,954,023	16,642,842
November	1,478,900	1,951,563	2,434,166	4,539,707	6,150,569	7,985,092	9,188,693	11,466,235	11,821,115	14,887,518	17,080,435
December	1,600,457	2,104,368	2,582,889	5,038,116	5,886,396	8,544,711	9,374,902	11,767,975	11,773,045	14,747,070	17,232,681
Total	17,459,671	21,788,421	26,604,138	45,587,316	66,425,744	92,875,407	112,113,860	125,777,231	136,956,524	151,803,048	181,461,561

TABLE 44. MANUFACTURE OF WHOLE-MILK CHEESE IN CALIFORNIA, 1970–1980 (Pounds)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
January	509,777	772,853	828,124	1,005,239	1,560,920	1,511,660	2,042,267	2,294,249	3,103,047	3,294,742	5,793,911
February	541,993	774,128	851,135	1,029,721	1,486,849	1,377,894	2,059,710	2,481,482	3,040,349	3,441,575	5,332,701
March	776,196	913,213	1,086,918	1,317,267	1,809,457	1,646,762	2,535,844	3,477,078	4,226,157	4,467,087	6,273,763
April	691,835	958,858	1,074,269	1,307,023	1,846,736	1,452,349	2,634,464	3,066,458	3,368,812	4,162,377	6,577,656
May	788,701	959,539	1,082,202	1,495,538	1,924,140	1,813,742	2,388,070	3,435,374	3,898,227	4,100,322	6,988,406
June	741,602	1,016,105	1,200,892	1,452,816	1,669,649	2,007,923	2,701,323	3,233,817	3,867,179	4,359,996	7,447,266
July	807,700	1,099,287	1,124,210	1,514,552	1,827,988	2,085,959	2,663,221	3,433,669	3,728,329	4,422,971	7,779,555
August	807,743	977,487	1,260,285	1,724,906	1,936,283	2,033,691	2,715,814	3,314,091	4,015,751	4,559,802	6,785,922
September	784,595	916,792	1,258,509	1,443,974	1,708,975	1,891,202	2,628,726	3,370,561	3,841,589	4,261,523	7,061,751
October	710,474	982,789	1,277,908	1,617,688	1,846,738	2,314,405	2,795,602	3,576,313	4,011,264	5,796,295	6,479,511
November	763,927	993,360	1,218,580	1,800,186	1,953,805	2,161,720	3,128,518	4,274,277	4,335,231	6,730,691	7,141,578
December	888,367	1,074,602	1,273,928	1,827,587	1,735,493	2,405,543	3,014,070	4,059,110	3,984,139	6,327,398	7,043,474
Total	8,812,910	11,439,013	13,536,960	17,536,497	21,307,033	22,702,850	31,307,629	40,016,479	45,420,074	55,924,779	80,705,494

TABLE 45. MANUFACTURE OF PART-SKIM AND FULL-SKIM CHEESE IN CALIFORNIA, 1970–1980 (Pounds)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
January	629,262	723,356	921,617	1,228,069	3,088,672	4,691,337	5,434,057	5,864,063	7,225,228	7,471,523	8,558,709
February	622,835	698,923	1,001,110	1,259,292	2,997,184	4,499,018	5,577,376	5,636,816	6,586,257	6,900,543	7,813,864
March	678,269	899,908	1,082,456	1,581,907	3,224,374	5,019,085	6,508,670	6,401,208	7,741,264	8,080,026	9,035,005
April	741,509	873,067	1,013,242	1,985,200	3,589,008	4,834,375	6,924,960	6,850,071	7,406,811	7,679,759	8,369,274
May	758,529	836,327	1,219,523	2,323,584	3,948,142	5,658,171	7,991,856	7,879,284	7,412,430	8,127,916	6,389,844
June	794,077	884,922	1,070,486	2,421,624	3,762,407	6,209,945	8,322,441	7,795,854	7,589,779	7,665,548	6,555,296
July	740,961	854,348	1,107,715	2,857,828	4,059,655	7,313,993	7,440,324	7,729,449	8,124,746	8,355,775	6,857,433
August	720,857	853,702	1,070,931	2,649,282	3,957,539	7,581,405	7,676,484	7,929,224	8,431,879	9,031,323	7,612,543
September	725,550	882,144	995,749	2,698,217	3,926,340	6,564,642	6,499,837	7,352,921	8,053,322	7,831,629	9,272,704
October	807,849	854,742	1,059,802	3,095,766	4,217,723	5,838,046	6,009,219	7,421,039	7,689,944	8,157,728	10,163,331
November	714,973	958,203	1,215,586	2,739,521	4,196,764	5,823,372	6,060,175	7,191,958	7,485,884	8,156,827	9,938,857
December	712,090	1,029,766	1,308,961	3,210,529	4,150,903	6,139,168	6,360,832	7,708,865	7,788,906	8,419,672	10,189,207
Total	8,646,761	10,349,408	13,067,178	28,050,819	45,118,711	70,172,557	80,806,231	85,760,752	91,536,450	95,878,269	100,756,067

TABLE 46. MANUFACTURE OF CHEESE (EXCLUDING COTTAGE CHEESE), BY VARIETIES, IN CALIFORNIA, 1969-1980 (Pounds)

	WHOLE-MILK							
	American cheddar	Monterey	Cream	Italian	Other Varieties	All Varieties	Part-skim and Full-skim (All varieties)	Total
1969	558,222	1,882,551	1,511,944	2,514,969	1,252,996	7,720,682	5,954,438	13,675,120
1970	382,133	2,052,034	1,666,154	3,340,521	1,372,068	8,812,910	8,646,761	17,459,671
1971	528,920	2,722,118	1,905,627	4,855,118	1,427,230	11,439,013	10,349,408	21,788,421
1972	456,661	3,192,204	2,229,750	6,095,470	1,562,875	13,536,960	13,067,178	26,604,138
1973	932,836	4,170,950	3,009,665	7,716,990	1,706,056	17,536,497	28,050,819	45,587,316
1974	1,217,078	4,185,017	3,698,368	10,669,735	1,536,835	21,307,033	45,118,711	66,425,744
1975	1,044,126	4,390,338	4,728,098	10,957,821	1,582,467	22,702,850	70,172,557	92,875,407
1976	2,229,402	6,255,894	6,121,087	15,037,311	1,663,935	31,307,629	80,806,231	112,113,860
1977	4,907,528	7,428,076	8,602,083	17,848,167	1,230,625	40,016,479	85,760,752	125,777,231
1978	6,104,926	9,240,999	9,489,692	19,430,775	1,153,682	45,420,074	91,536,450	136,956,524
1979	12,608,285	10,892,975	9,718,490	21,449,818	1,255,231	55,924,799	95,878,269	151,803,068
1980	36,421,283	11,284,408	7,170,170	24,402,956	1,426,677	80,705,494	100,756,067	181,461,561

TABLE 47. MANUFACTURE OF COTTAGE CHEESE (DRY CURD) IN CALIFORNIA, 1970-1980 (Pounds)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
January	8,667,914	9,601,461	9,523,517	9,848,332	9,647,590	8,772,633	8,784,816	8,821,369	8,555,193	8,553,584	8,388,650
February	8,474,563	9,025,177	9,167,890	9,249,555	8,979,980	8,311,003	8,198,303	8,086,778	8,048,785	7,692,518	8,100,555
March	9,767,477	10,431,343	10,419,029	10,511,685	9,880,725	8,769,151	9,343,707	9,207,129	9,127,474	9,124,044	8,786,304
April	9,336,405	9,842,010	9,521,865	10,157,696	9,290,489	8,466,937	8,838,416	8,840,526	8,766,513	8,407,773	8,650,741
May	9,717,659	9,997,454	10,221,717	10,480,321	9,639,003	9,424,678	9,691,827	9,247,397	9,521,989	9,175,161	8,742,730
June	9,757,173	9,622,262	9,494,136	10,016,360	9,318,624	9,065,336	9,290,274	9,141,362	8,960,525	8,682,715	8,494,076
July	9,763,988	9,697,511	9,601,450	10,048,587	9,546,019	8,852,506	9,427,987	8,908,293	8,498,589	8,550,961	9,016,215
August	9,567,883	10,046,280	9,911,099	9,722,168	9,368,456	8,650,326	9,076,138	9,170,486	9,048,073	8,962,626	8,932,936
September	9,335,694	9,567,134	9,266,463	8,980,985	9,107,393	8,502,292	9,050,109	8,815,959	8,750,809	8,637,639	8,224,678
October	9,340,370	9,130,465	9,354,201	9,625,066	9,276,813	8,788,308	8,985,906	8,744,202	9,122,082	8,761,860	8,449,034
November	8,693,973	8,251,008	8,588,815	8,631,898	8,301,323	7,895,481	8,467,297	8,172,446	7,892,489	7,344,452	7,823,489
December	7,911,340	8,131,448	8,233,902	8,190,118	7,800,942	7,593,574	7,442,166	7,683,556	7,164,394	7,528,050	7,279,978
Total	110,334,439	113,343,553	113,304,084	115,462,771	110,157,357	103,092,225	106,596,946	104,839,503	103,456,915	101,421,383	100,889,386

TABLE 48. MANUFACTURE OF LOWFAT COTTAGE CHEESE (PARTIALLY-CREAMED) IN CALIFORNIA, 1970-1980 (Pounds)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
January	2,202,919	2,768,981	3,002,448	3,752,615	3,652,816	3,470,980	3,616,842	3,600,474	3,764,804	3,843,544	4,061,641
February	2,197,611	2,575,713	3,088,873	3,427,589	3,374,184	3,084,193	3,430,932	3,345,070	3,488,713	3,495,923	3,883,595
March	2,523,579	3,070,945	3,621,186	3,834,360	3,649,387	3,455,308	3,888,849	3,768,905	4,096,729	4,135,972	4,180,645
April	2,600,470	2,893,124	3,208,813	3,803,646	3,400,144	3,498,758	3,619,523	3,626,851	3,903,565	3,936,209	4,286,549
May	2,533,755	2,999,746	3,572,752	3,919,410	3,621,149	3,954,872	3,919,527	3,899,727	4,361,463	4,411,876	4,338,204
June	2,711,844	2,962,619	3,392,189	3,691,540	3,387,994	3,698,119	3,794,034	3,608,846	4,003,132	3,976,245	4,332,653
July	2,683,429	3,035,342	3,355,660	3,517,045	3,474,205	3,681,714	3,792,626	3,399,140	3,692,613	3,996,987	4,646,651
August	2,511,213	2,924,012	3,527,609	3,592,990	3,416,813	3,407,600	3,633,665	3,749,424	3,897,303	4,100,634	4,391,793
September	2,553,141	2,889,010	3,232,254	3,282,688	3,284,650	3,440,069	3,658,316	3,695,580	3,817,076	3,950,592	4,145,787
October	2,559,504	2,838,673	3,351,793	3,525,453	3,400,493	3,554,722	3,577,577	3,651,488	3,945,632	4,084,960	4,314,793
November	2,364,597	2,599,873	2,950,597	3,181,226	3,009,683	3,138,655	3,376,688	3,565,145	3,520,483	3,473,883	3,762,716
December	2,141,048	2,461,896	2,683,551	2,849,687	2,824,548	3,062,314	3,043,142	3,262,509	3,155,652	3,382,094	3,535,297
Total	29,583,110	34,019,934	38,987,725	42,378,249	40,496,066	41,447,304	43,351,721	43,173,159	45,647,165	46,788,919	49,880,324

TABLE 49. MANUFACTURE OF COTTAGE CHEESE (CREAMED COTTAGE CHEESE) IN CALIFORNIA, 1970-1980 (Pounds)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
January	10,711,134	11,598,698	11,421,523	10,804,752	9,745,751	8,956,412	8,310,661	8,681,220	8,298,828	8,444,323	8,223,870
February	10,342,827	10,770,307	10,984,962	9,875,845	8,949,872	7,710,650	8,206,176	8,099,161	7,760,148	7,565,154	7,826,150
March	11,904,699	12,391,930	12,288,952	11,245,319	9,832,001	8,747,378	9,315,200	8,892,550	8,832,732	8,869,190	8,525,449
April	11,766,936	11,537,411	10,931,491	10,980,159	9,196,416	8,669,944	8,868,354	8,609,387	8,437,073	8,380,940	8,342,269
May	12,048,375	11,578,700	11,817,638	11,313,984	9,862,835	9,101,057	10,146,033	9,131,717	9,193,496	8,879,447	8,289,668
June	11,949,889	11,388,592	10,989,934	10,581,870	9,176,694	9,112,443	9,343,647	9,153,393	8,809,945	8,604,792	8,205,420
July	11,792,042	11,674,640	11,049,667	10,389,940	9,306,534	9,050,408	9,356,554	8,993,469	8,496,558	8,718,928	8,548,389
August	11,780,588	11,768,516	11,183,105	9,895,712	9,182,377	8,885,774	9,131,928	9,053,997	8,779,886	8,854,460	8,530,618
September	11,630,088	11,502,850	10,286,780	8,941,931	8,893,337	8,691,062	9,068,372	8,583,848	8,407,266	8,518,996	7,891,790
October	11,680,646	10,993,969	10,540,685	9,851,435	9,076,318	8,629,939	8,967,540	8,580,982	8,969,546	8,595,947	8,200,186
November	10,530,722	10,363,337	9,684,005	8,744,174	8,025,690	7,821,195	8,461,539	8,042,024	7,769,617	7,523,897	7,302,111
December	9,604,871	9,722,919	8,976,748	8,311,238	7,717,472	7,700,769	7,762,676	7,642,962	6,980,292	7,477,502	6,762,964
Total	135,742,817	135,291,869	130,155,490	120,936,359	108,965,297	103,077,031	106,938,680	103,464,710	100,735,387	100,433,576	96,648,884

TABLE 50. MANUFACTURE OF COTTAGE CHEESE AND LOWFAT COTTAGE CHEESE IN CALIFORNIA 1970-1980 (Pounds)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
January	12,914,053	14,367,679	14,423,971	14,557,367	13,398,567	12,427,392	11,927,503	12,281,694	12,063,632	12,287,867	12,285,511
February	12,540,438	13,346,020	14,073,835	13,303,434	12,324,056	10,794,843	11,637,108	11,444,231	11,248,861	11,061,077	11,709,745
March	14,428,278	15,462,875	15,910,138	15,079,679	13,481,388	12,202,686	13,204,049	12,661,455	12,929,461	13,005,162	12,706,094
April	14,367,406	14,430,535	14,140,304	14,783,805	12,596,560	12,168,702	12,487,877	12,236,238	12,340,638	12,317,149	12,628,318
May	14,582,130	14,578,446	15,390,390	15,233,394	13,483,984	13,055,929	14,065,560	13,031,444	13,554,959	13,291,323	12,627,872
June	14,661,733	14,351,211	14,382,123	14,273,410	12,564,688	12,810,562	13,137,681	12,762,239	12,813,077	12,581,037	12,538,073
July	14,475,471	14,709,982	14,405,327	13,906,985	12,780,739	12,732,122	13,149,180	12,392,609	12,189,171	12,715,915	13,195,040
August	14,291,801	14,692,528	14,710,714	13,488,702	12,599,190	12,293,374	12,765,593	12,803,421	12,677,189	12,955,094	12,922,411
September	14,183,229	14,391,860	13,519,034	12,224,619	12,177,987	12,131,131	12,726,688	12,279,428	12,224,342	12,469,588	12,037,577
Oceober	14,240,150	13,832,642	13,892,478	13,376,888	12,476,811	12,184,661	12,545,117	12,232,470	12,915,178	12,680,907	12,514,979
November	12,895,319	12,963,210	12,634,602	11,925,400	11,035,373	10,959,850	11,838,227	11,607,169	11,290,100	10,997,780	11,064,827
December	11,745,919	12,184,815	11,660,299	11,160,925	10,542,020	10,763,083	10,805,818	10,905,471	10,135,944	10,859,596	10,298,261
Total	165,325,927	169,311,803	169,143,215	163,314,608	149,461,363	144,524,335	150,290,401	146,637,869	146,382,552	147,222,495	146,529,208

TABLE 51. MANUFACTURE OF CONDENSED SKIM MILK (UNSWEETENED, BULK GOODS) IN CALIFORNIA, 1970-1980 (Pounds)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
January	4,837,381	7,479,117	7,915,813	10,433,802	9,618,695	9,165,078	8,081,236	9,791,654	9,268,658	8,584,679	9,476,052
February	5,384,532	8,113,349	7,397,041	10,594,210	8,811,569	7,626,459	8,201,451	8,328,236	7,214,443	7,120,651	9,711,197
March	9,305,977	9,832,492	9,100,013	12,483,369	9,978,255	10,450,273	9,840,149	11,011,688	8,853,721	8,760,017	10,154,329
April	7,218,605	10,222,568	10,431,371	13,233,224	10,940,951	10,763,924	10,614,597	11,642,026	8,659,040	8,655,491	10,989,971
May	8,214,252	10,856,924	12,357,413	12,853,921	11,089,064	11,468,445	11,850,413	11,066,750	9,058,303	9,639,221	11,671,242
June	6,962,646	11,636,694	12,443,048	12,474,890	11,595,566	14,741,690	12,855,870	12,452,324	10,009,188	9,246,262	12,146,707
July	9,192,597	12,773,009	12,481,597	12,874,086	13,153,165	13,026,091	12,124,769	12,143,686	9,853,672	11,642,227	12,311,181
August	8,466,458	11,146,001	13,439,715	11,706,891	11,506,969	11,359,065	14,263,072	12,014,477	10,103,618	11,964,264	12,401,967
September	9,332,232	8,944,380	10,941,279	10,464,241	8,413,245	10,234,208	11,613,428	10,573,345	8,857,169	9,834,736	11,008,721
October	7,006,19.	9,881,969	11,462,009	9,611,800	8,993,785	10,438,376	9,015,675	10,347,985	9,863,190	11,297,223	10,517,682
November	6,647,378	8,035,012	11,353,342	9,693,914	8,225,159	9,021,033	10,299,855	10,199,332	9,065,406	9,362,524	10,300,488
December	8,254,335	8,786,332	9,171,099	6,768,616	11,234,731	9,159,881	9,641,787	12,511,926	8,692,871	10,396,026	10,345,447
Total	90,822,585	117,707,847	128,493,740	133,192,964	123,561,154	127,454,523	128,402,302	132,083,429	109,499,279	116,503,321	131,034,984

TABLE 52. MANUFACTURE OF NONFAT-DRY-MILK FOR HUMAN CONSUMPTION, IN CALIFORNIA, 1970-1980 (Pounds)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
January	4,959,428	6,310,274	7,514,867	9,253,676	7,475,740	9,035,862	10,791,036	10,569,350	12,884,450	8,962,224	15,454,077
February	5,444,496	6,280,548	9,139,125	8,797,675	7,804,479	9,503,929	10,851,296	11,593,076	11,016,653	8,304,622	14,475,250
March	7,160,049	8,144,705	11,828,670	10,037,828	9,830,353	10,833,292	12,610,301	13,315,478	11,648,330	11,524,576	16,033,128
April	10,032,335	11,765,284	14,106,455	11,792,706	12,958,129	13,377,070	15,492,510	16,561,669	13,698,670	15,928,614	20,152,911
May	12,200,280	13,530,215	16,449,046	14,205,994	15,253,087	16,079,604	16,455,018	17,671,645	14,977,989	18,559,318	24,481,766
June	13,047,420	16,151,532	15,945,164	13,915,579	15,662,440	15,802,979	16,401,921	18,549,932	16,111,259	19,938,666	24,520,792
July	13,548,714	17,710,096	16,401,591	14,308,799	15,688,877	15,877,147	17,257,017	19,682,565	18,201,082	20,903,488	25,803,776
August	13,616,250	16,125,761	15,894,999	13,101,637	14,994,998	14,624,309	16,156,848	17,252,583	15,872,671	20,696,740	23,783,065
September	10,268,028	12,565,316	12,840,832	10,053,913	10,693,257	10,831,815	11,865,423	14,203,492	12,268,126	17,022,984	20,647,326
October	9,761,489	9,395,028	11,178,006	8,527,775	9,519,112	10,589,187	11,166,815	14,205,928	10,186,067	16,358,759	19,929,656
November	7,395,168	6,793,020	9,151,584	8,159,914	7,820,894	9,459,471	10,278,288	12,279,436	9,446,170	15,056,120	17,652,461
December	9,722,759	8,923,776	9,026,679	9,097,916	9,718,696	10,869,052	11,869,999	13,979,498	10,586,351	15,189,768	19,682,429
Total	117,156,416	133,695,555	149,477,018	131,253,412	137,420,062	146,883,717	161,196,472	179,864,652	156,897,818	188,445,879	242,616,637

TABLE 53. MANUFACTURE OF NONFAT-DRY-MILK FOR ANIMAL FEED, IN CALIFORNIA, 1970-1980 (Pounds)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
January	52,143	72,330	91,443	59,551	59,167	65,507	66,638	58,617	85,559	58,359	86,577
February	75,582	88,621	78,103	53,738	45,809	63,984	57,275	68,169	91,792	56,539	100,878
March	100,899	115,610	107,829	67,881	64,327	78,300	53,911	76,625	89,570	64,650	133,266
April	152,191	76,727	157,148	66,718	98,672	90,718	105,228	90,662	90,652	86,380	99,863
May	134,566	111,144	223,162	82,652	77,119	108,030	202,646	112,930	101,778	118,655	133,522
June	132,123	191,664	237,991	89,295	107,751	144,855	82,613	115,699	98,670	106,576	155,472
July	149,461	311,979	228,352	106,926	152,679	156,867	111,120	139,194	145,775	150,033	154,648
August	124,498	289,840	203,874	89,306	205,000	139,450	112,797	134,706	96,819	152,431	132,554
September	113,833	216,176	115,584	74,914	70,679	109,324	98,043	114,654	88,036	107,556	183,154
October	94,124	144,977	121,217	58,896	68,118	62,264	98,943	115,868	78,788	120,645	137,595
November	107,111	66,400	84,593	66,960	45,694	47,761	61,746	74,969	83,432	96,416	127,027
December	107,798	69,167	83,386	65,157	50,423	66,002	53,746	84,598	85,563	108,413	143,926
Total	1,344,329	1,754,635	1,732,682	881,994	1,045,438	1,133,062	1,104,706	1,186,691	1,136,434	1,226,653	1,588,482

TABLE 54. MANUFACTURE OF BUTTERMILK IN CALIFORNIA, 1970-1980 (Gallons)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
January	1,143,522	1,169,667	1,216,522	1,186,714	1,103,970	1,057,685	1,098,310	1,058,880	1,003,433	973,150	903,952
February	1,074,823	1,106,474	1,178,554	1,080,961	993,593	947,666	1,008,481	1,003,158	936,289	898,208	858,367
March	1,231,556	1,269,958	1,299,343	1,209,182	1,109,433	1,044,636	1,137,617	1,112,213	1,093,092	984,272	893,810
April	1,170,906	1,224,793	1,186,194	1,186,138	1,083,728	1,052,797	1,086,856	1,071,905	1,017,698	932,276	907,591
May	1,235,002	1,194,552	1,273,563	1,250,130	1,119,802	1,071,447	1,164,337	1,067,906	1,090,987	993,324	898,227
June	1,227,190	1,248,003	1,263,255	1,265,394	1,091,171	1,076,348	1,169,243	1,065,695	1,056,935	943,424	917,105
July	1,326,035	1,360,364	1,328,418	1,302,071	1,188,935	1,162,300	1,197,635	1,087,746	1,053,947	957,338	918,719
August	1,393,749	1,451,001	1,478,306	1,314,027	1,148,991	1,098,679	1,154,832	1,153,955	1,058,664	1,007,482	942,759
September	1,330,459	1,368,143	1,322,137	1,198,744	1,116,283	1,101,379	1,147,950	1,068,665	985,881	963,164	894,562
October	1,281,166	1,304,509	1,250,040	1,258,516	1,098,458	1,108,217	1,113,128	1,050,839	1,034,174	937,489	917,431
November	1,170,101	1,211,159	1,168,316	1,106,590	1,004,158	1,035,481	1,096,622	1,019,174	944,796	868,360	855,771
December	1,108,037	1,125,452	1,125,099	1,047,438	1,007,397	1,037,062	1,132,502	991,425	892,031	882,432	868,261
Total	14,692,546	15,034,075	15,089,747	14,405,905	13,065,919	12,793,697	13,507,513	12,751,561	12,167,927	11,340,919	10,776,555

TABLE 55. MANUFACTURE OF ICE CREAM IN CALIFORNIA, 1970-1980 (Gallons)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
January	5,325,196	4,818,313	5,149,596	5,553,694	5,919,195	6,124,862	6,191,071	5,907,774	5,835,485	6,350,980	6,247,041
February	5,138,188	5,300,983	5,600,452	5,283,098	5,510,428	5,693,346	6,135,084	5,944,672	5,926,463	6,307,557	6,983,138
March	6,289,112	6,345,972	6,967,045	6,161,154	6,568,808	6,639,206	7,532,902	7,799,978	7,020,013	7,712,701	7,770,253
April	6,099,833	6,341,168	5,863,861	5,988,355	6,557,482	6,703,270	7,026,875	7,308,319	7,151,847	7,345,798	7,669,571
May	6,201,376	5,620,435	6,776,940	6,603,248	6,683,655	7,365,981	7,352,618	7,065,941	8,044,078	8,075,767	7,759,459
June	6,815,163	6,956,677	7,337,319	7,247,101	7,481,036	8,556,406	8,414,576	8,216,024	9,190,663	8,743,310	8,475,633
July	7,192,729	7,284,255	7,178,640	7,501,585	8,357,363	8,773,057	9,098,317	8,060,791	8,506,610	8,642,687	9,482,641
August	6,584,252	7,314,662	7,755,766	7,043,305	8,124,573	8,028,080	8,397,903	8,755,703	9,151,216	9,285,620	9,314,616
September	6,547,311	7,031,748	6,418,965	6,339,068	7,125,017	7,506,902	7,503,049	7,508,619	6,945,402	7,356,422	7,449,444
October	5,906,553	5,767,806	5,695,219	6,312,827	6,768,115	7,405,795	6,429,161	6,556,530	7,713,146	8,009,799	7,708,245
November	4,773,143	4,943,560	5,258,530	5,436,058	5,640,085	5,658,715	6,661,622	6,539,043	6,655,471	6,121,780	5,712,745
December	5,113,817	4,912,667	4,647,021	4,532,867	5,529,014	6,275,272	6,057,021	5,706,187	5,282,815	5,156,936	6,140,630
Total	71,986,673	72,638,246	74,649,354	74,002,360	80,264,771	84,730,892	86,800,199	85,369,581	88,231,209	89,109,357	90,713,416

TABLE 56. MANUFACTURE OF ICE MILK IN CALIFORNIA, 1970-1980 (Gallons)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
January	1,898,491	1,768,486	1,785,068	1,934,187	2,235,050	1,899,744	1,900,399	1,713,423	1,782,391	1,877,067	1,872,419
February	2,039,634	1,978,289	2,012,122	1,855,842	1,937,291	1,866,529	1,824,942	1,869,612	2,012,162	1,904,318	2,001,004
March	2,423,583	2,347,894	2,512,950	2,327,313	2,270,860	2,351,827	2,512,319	2,521,498	2,469,702	2,425,873	2,346,037
April	2,463,923	2,385,516	2,338,567	2,425,483	2,437,799	2,297,546	2,264,591	2,334,809	2,322,322	2,301,330	2,335,254
May	2,678,192	2,397,370	2,795,997	2,630,683	2,709,705	2,775,099	2,534,664	2,503,741	2,933,525	2,629,670	2,552,836
June	2,837,435	2,812,527	2,914,962	2,906,770	2,719,560	2,903,342	2,615,247	2,856,664	2,958,212	2,740,882	2,622,433
July	3,114,558	3,003,211	2,996,478	2,826,442	3,037,060	3,142,004	2,669,884	2,738,493	2,770,006	2,788,345	2,936,872
August	2,921,002	3,059,971	3,020,480	2,849,978	2,959,873	2,863,496	2,469,495	2,926,940	3,008,282	2,802,117	2,843,620
September	2,706,108	2,747,453	2,534,322	2,361,769	2,537,053	2,596,843	2,312,986	2,568,294	2,383,569	2,509,214	2,708,163
October	2,379,516	2,297,406	2,206,580	2,349,299	2,446,155	2,466,981	2,194,081	2,311,192	2,509,024	2,496,452	2,488,298
November	1,858,000	1,852,788	1,913,181	1,955,866	1,851,859	2,020,465	2,049,072	1,972,672	2,119,654	2,119,034	1,899,994
December	1,823,996	1,738,238	1,762,263	1,675,699	1,682,336	2,024,371	1,868,762	1,799,371	1,733,465	1,822,970	2,149,025
Total	29,144,438	28,389,149	28,792,970	28,099,331	28,824,601	29,208,247	27,216,442	28,116,709	29,002,314	28,417,272	28,755,955

TABLE 57. MANUFACTURE OF SHERBET IN CALIFORNIA, 1970-1980 (Gallons)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
January	435,921	348,231	398,279	422,739	460,598	425,339	397,052	411,666	349,157	383,318	364,749
February	398,316	376,979	405,331	406,516	401,815	330,019	437,252	386,777	313,724	329,255	336,516
March	532,532	516,132	592,240	479,159	455,098	455,128	533,318	500,613	462,368	456,522	385,572
April	539,290	480,364	476,431	484,435	531,311	473,018	517,125	440,192	404,669	381,212	451,686
May	558,932	489,632	558,822	581,688	531,205	521,658	517,225	519,196	523,444	489,162	437,732
June	622,636	567,425	626,591	625,895	677,441	610,483	772,432	583,643	614,240	593,302	438,194
July	631,033	616,548	600,555	725,906	673,779	610,724	764,628	603,670	520,876	549,096	609,372
August	601,400	629,878	674,843	558,509	692,469	561,021	578,995	681,118	532,562	546,676	553,245
September	541,371	614,366	539,864	492,581	537,475	535,232	568,992	486,265	392,661	422,243	367,276
October	450,672	459,682	447,838	456,270	466,134	493,205	423,015	382,210	497,272	465,705	416,086
November	353,734	379,250	374,659	387,248	371,711	331,810	435,332	387,815	355,030	329,777	289,340
December	372,708	357,941	369,040	301,871	366,655	433,046	388,799	327,574	265,793	241,448	365,870
Total	6,038,545	5,836,428	6,064,493	5,922,817	6,165,691	5,780,683	6,334,165	5,710,739	5,231,796	5,187,716	5,015,638

TABLE 58. MANUFACTURE OF IMITATION ICE CREAM IN CALIFORNIA 1970-1980 (Gallons)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
January	358,828	355,334	342,282	354,835	408,884	293,282	249,537	150,771	121,878	139,716	85,887
February	386,641	356,662	381,786	369,038	262,923	285,796	162,877	174,302	126,241	150,493	106,940
March	477,566	474,563	477,741	373,723	362,921	325,666	256,568	254,513	240,834	133,490	97,292
April	454,048	437,591	371,901	402,712	322,659	305,123	239,729	176,495	156,639	164,277	110,595
May	523,424	438,416	455,292	396,372	403,584	340,165	227,232	186,689	154,087	104,239	114,103
June	491,068	532,348	474,744	475,746	363,568	368,366	275,470	272,884	242,583	188,805	126,704
July	592,712	488,956	454,594	459,508	439,315	357,915	253,746	207,376	174,659	96,434	168,979
August	470,133	504,255	494,549	429,799	347,062	318,161	264,110	204,210	184,196	190,040	151,736
September	465,335	494,752	389,109	414,832	367,995	266,335	201,506	189,742	151,380	148,208	67,301
October	473,448	379,675	352,554	370,702	299,828	300,440	244,140	133,273	151,063	105,293	140,496
November	312,244	319,459	308,732	312,421	252,737	191,501	149,111	132,109	119,974	90,353	57,453
December	331,998	311,021	245,748	238,234	197,374	219,464	131,559	122,254	99,518	55,875	78,515
Total	5,337,445	5,093,032	4,749,032	4,597,922	4,028,850	3,572,214	2,655,585	2,204,618	1,923,052	1,567,223	1,306,001

TABLE 59. MANUFACTURE OF IMITATION ICE MILK IN CALIFORNIA, 1970-1980 (Gallons)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
January	539,080	428,634	418,624	413,792	325,270	235,128	175,776	120,086	77,208	94,091	57,320
February	569,834	447,352	451,615	362,007	318,340	267,368	169,570	150,497	111,726	70,614	60,396
March	736,305	610,720	631,062	480,622	384,440	284,481	305,227	200,798	122,171	135,401	82,734
April	674,302	540,261	492,614	418,211	376,679	280,182	296,356	149,576	158,291	92,791	113,594
May	676,122	575,616	620,544	525,297	411,833	308,778	261,889	179,315	144,561	134,940	75,362
June	759,454	687,250	622,753	526,504	429,558	355,000	251,204	176,219	169,502	105,344	105,706
July	833,344	711,787	611,382	530,275	426,222	331,111	289,209	190,826	141,430	125,292	106,439
August	796,037	730,401	732,554	515,641	427,599	298,634	232,217	211,782	145,842	109,214	105,737
September	687,343	614,073	528,262	390,475	370,816	289,092	193,613	159,909	132,860	77,619	80,342
October	604,067	511,934	429,398	396,854	330,463	206,551	154,566	107,156	126,571	105,029	70,986
November	419,790	360,117	384,069	345,138	266,217	173,934	153,307	120,752	92,476	60,237	54,087
December	442,854	357,251	298,761	256,232	198,555	144,081	119,128	105,707	75,157	49,762	46,511
Total	7,738,532	6,575,396	6,221,638	5,161,048	4,265,992	3,174,340	2,602,062	1,872,623	1,497,795	1,160,334	959,214

TABLE 60. MANUFACTURE OF IMITATION ICE CREAM AND IMITATION ICE MILK IN CALIFORNIA, 1970-1980 (Gallons)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
January	897,908	783,968	760,906	768,627	734,154	528,410	425,313	270,857	199,086	233,807	143,207
February	956,475	804,014	833,401	731,045	581,263	553,164	332,447	324,799	237,967	221,107	167,336
March	1,213,871	1,085,283	1,108,803	854,345	747,361	610,147	561,795	455,311	363,005	268,891	180,026
April	1,128,350	977,852	864,515	820,923	699,338	585,305	536,085	326,071	314,930	257,068	224,189
May	1,199,546	1,014,032	1,075,836	921,669	815,417	648,943	489,121	366,004	298,648	239,179	189,465
June	1,250,522	1,219,598	1,097,497	1,002,250	793,126	723,366	526,674	449,103	412,085	294,149	232,410
July	1,426,056	1,200,743	1,065,976	989,783	865,537	689,026	542,955	398,202	316,089	221,726	275,418
August	1,266,170	1,234,656	1,227,103	945,440	774,661	616,795	496,327	415,992	330,038	299,254	257,473
September	1,152,678	1,108,825	917,371	805,307	738,811	555,427	395,119	349,651	294,240	225,827	147,643
October	1,077,515	891,609	781,952	767,556	630,291	506,991	398,706	240,429	277,634	210,322	211,482
November	732,034	679,576	692,801	657,559	518,954	365,435	302,418	252,861	212,450	150,590	111,540
December	774,852	668,272	544,509	494,466	395,929	363,545	250,687	227,961	174,675	105,637	125,026
Total	13,075,977	11,668,428	10,970,670	9,758,970	8,294,842	6,746,554	5,257,647	4,077,241	3,420,847	2,727,557	2,265,215

TABLE 61. MANUFACTURE OF ICE CREAM, ICE MILK, SHERBET AND IMITATION ICE CREAM AND ICE MILK IN CALIFORNIA, 1970-1980 (Gallons)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
January	8,557,516	7,718,998	8,093,849	8,679,247	9,348,997	8,978,355	8,913,835	8,303,720	8,166,119	8,845,172	8,627,416
February	8,532,613	8,460,265	8,851,306	8,276,501	8,430,797	8,443,058	8,729,725	8,525,860	8,490,316	8,762,237	9,487,994
March	10,459,098	10,295,281	11,181,038	9,821,971	10,042,127	10,056,308	11,140,334	11,277,400	11,123,088	10,863,987	10,681,888
April	10,231,396	10,184,900	9,543,374	9,719,196	10,225,930	10,059,139	10,344,676	10,409,391	10,193,768	10,285,408	10,680,700
May	10,638,046	9,521,469	11,207,595	10,737,288	10,739,982	11,311,681	10,893,628	10,454,882	11,799,695	11,433,778	10,939,492
June	11,525,756	11,556,227	11,976,369	11,782,016	11,671,163	12,793,597	12,328,929	12,105,434	13,175,200	12,371,643	11,768,670
July	12,364,376	12,104,757	11,841,649	12,043,716	12,933,739	13,214,811	13,075,784	11,801,156	12,113,581	12,201,854	13,304,303
August	11,372,824	12,239,167	12,678,192	11,397,232	12,551,576	12,069,392	11,942,720	12,779,753	13,022,098	12,933,667	12,968,954
September	10,947,468	11,502,392	10,410,522	9,998,725	10,938,356	11,194,404	10,780,146	10,912,829	10,005,872	10,513,706	10,672,526
October	9,814,256	9,416,503	9,131,589	9,885,952	10,310,695	10,872,972	9,444,963	9,490,361	10,997,076	11,182,278	10,824,111
November	7,716,911	7,855,174	8,239,171	8,436,731	8,382,609	8,376,425	9,448,444	9,152,391	9,342,605	8,721,181	8,013,619
December	8,085,373	7,677,118	7,322,833	7,004,903	7,973,934	9,096,234	8,565,269	8,061,093	7,456,748	7,326,991	8,780,551
Total	120,245,633	118,532,251	120,477,487	117,783,478	123,549,905	126,466,376	125,608,453	123,274,270	125,886,166	125,441,902	126,750,224

CONSUMPTION PER CAPITA OF DAIRY PRODUCTS

The population of California on July 1, 1980, was estimated by the California Department of Finance to be 23,616,000. This represented an increase of 922 thousand persons or approximately 4.1 percent from the same date a year earlier.

Although no data are collected which directly relate to the consumption of dairy products in California, the quantities of some dairy products either sold or manufactured in California represent reasonably well the quantities consumed in the state. These are products which for the most part are neither imported nor exported in significant amounts and which are not storable for any extended period of time. Products that have these characteristics and for which sales data are available are: Fluid milk, fluid skim milk, half-and-half, and prior to 1974, flavored dairy drink and fluid cream. The quantities of manufactured products produced in this state which may be assumed to represent those consumed here, are limited to cottage cheese, buttermilk, and frozen products.

The sales of various dairy products and the manufacture of selected manufactured dairy products are expressed in either quarts per capita or pounds per capita in Table 62. Population figures used are those shown in the first column of Table 62.

Per capita sales of all Class 1 dairy products in California during 1980 amounted to 122.88 quarts. These 122.88 quarts included: 110.99 quarts of fluid milk, 7.57 quarts of skim milk, 1.59 quarts of half-and-half, and 2.73 quarts of yogurt and miscellaneous Class 1 products. Valid comparisons of the per capita sales of these items for 1974 and later cannot be made with data for 1973 and earlier due to product reclassifications and changes in reporting procedures. For example, fluid creams are no longer classified as Class 1 products, and yogurt has been included with Class 1 products beginning in 1974. Flavored dairy drinks are now included with either fluid milk or fluid skim milk, depending on the fat content.

The 1980 manufacture per capita of cottage cheese and lowfat cottage cheese in California totaled 6.20 pounds, a decrease of 4.3 percent from 1979. Cottage cheese (creamed cottage cheese) accounted for 4.09 pounds per capita, and lowfat cottage cheese (partially-creamed cottage cheese) accounted for 2.11 pounds per capita. Between 1979 and 1980, the manufacture per capita of cottage cheese decreased 7.5 percent and the manufacture per capita of lowfat cottage cheese increased 2.4 percent.

During 1980, the manufacture per capita of buttermilk in California amounted to 1.82 quarts. This was 9.0 percent less than the manufacture per capita during 1979.

Manufacture per capita of all frozen products in California during 1980 totaled 21.46 quarts, a decrease from 1979 of 2.9 percent. The manufacture per capita of all frozen products included 15.36 quarts of ice cream, 4.87 quarts of ice milk, 0.85 quarts of sherbet, 0.22 quarts of imitation ice cream, and 0.16 quarts of imitation ice milk. Between 1979 and 1980 the manufacture per capita of frozen dairy products showed the following percentage decreases: ice cream 2.2, ice milk 2.8, sherbet 6.6, imitation ice cream 21.4, imitation ice milk 20.0.

TABLE 62. ESTIMATED CONSUMPTION PER CAPITA OF SELECTED DAIRY PRODUCTS IN CALIFORNIA, BY YEARS, 1963-1980

		Sales per capita (quarts)							
Year	Estimated population, July 1 (thousands)	Total Class 1 products	Fluid milk	Fluid skim milk	Flavored dairy drink	Half-and-Half	Yogurt and misc. Class 1 products	Sour fluid cream	Other fluid cream
1963	17,517	136.02	121.59	7.75	2.45	3.24		0.59	0.40
1964	18,020	137.12	122.94	7.60	2.56	3.03	Not	0.61	0.38
1965	18,490	133.99	120.65	7.16	2.39	2.81	Included	0.62	0.36
1966	18,850	134.80	121.98	7.05	2.13	2.64	in	0.66	0.34
1967	19,232	131.88	119.40	7.07	2.00	2.44	Total	0.65	0.32
1968	19,511	129.72	117.19	7.21	2.10	2.28	Class 1	0.68	0.26
1969	19,817	126.87	114.78	7.05	2.09	2.10	Products	0.68	0.17
1970	20,025	125.41	113.62	6.90	2.07	1.94	until	0.71	0.17
1971	20,311	123.81	112.20	7.12	1.96	1.64	1974	0.71	0.18
1972	20,518	128.01	115.82	7.75	1.99	1.58		0.70	0.17
1973	20,730	128.34	115.97	8.00	1.90	1.58		0.73	0.16
1974	20,882	127.85	115.21	8.36	1/	1.57	2.71 2/	3/	3/
1975	21,113	128.60	115.44	8.76	1/	1.56	2.84 2/	3/	3/
1976	21,520	130.38	117.90	8.65	1/	1.58	2.25	3/	3/
1977	21,896	130.50	118.02	8.64	1/	1.58	2.26	3/	3/
1978	22,297	129.58	117.47	8.27	1/	1.63	2.21	3/	3/
1979	22,694	128.97	116.82	7.94	1/	1.65	2.56	3/	3/
1980	23,616	122.88	110.99	7.57	1/	1.59	2.73	3/	3/

Table 62 Continued
Manufacture per capita

Year	Cottage Cheese (pounds)				Frozen products (quarts)					
	Total	Cottage cheese	Lowfat cottage cheese	Butter-milk (quarts)	Total Frozen Products	Ice cream	Ice milk	Sherbet	Imitation Ice cream	Imitation Ice milk
1963	7.47	6.64	0.83	3.49	23.43	13.87	5.06	1.20	1.55	1.75
1964	7.43	6.54	0.89	3.36	24.04	14.13	5.35	1.21	1.39	1.96
1965	7.34	6.41	0.93	3.25	24.52	14.46	5.47	1.21	1.28	2.10
1966	7.14	6.20	0.94	3.13	24.69	14.38	5.77	1.24	1.12	2.18
1967	7.14	6.13	1.01	2.97	24.23	14.07	5.61	1.20	1.13	2.22
1968	7.25	6.18	1.07	2.83	24.47	14.31	5.73	1.25	1.16	2.02
1969	7.85	6.29	1.26	2.86	24.07	14.14	5.80	1.23	1.13	1.77
1970	8.26	6.78	1.48	2.93	24.02	14.38	5.82	1.21	1.07	1.54
1971	8.34	6.66	1.68	2.96	23.34	14.31	5.59	1.15	1.00	1.29
1972	8.24	6.34	1.90	2.94	23.49	14.55	5.62	1.18	0.93	1.21
1973	7.88	5.83	2.05	2.78	22.73	14.28	5.42	1.14	0.89	1.00
1974	7.16	5.22	1.94	2.51	23.67	15.38	5.53	1.18	0.77	0.81
1975	6.84	4.88	1.96	2.42	23.96	16.05	5.53	1.10	0.68	0.60
1976	6.98	4.97	2.01	2.52	23.35	16.14	5.06	1.18	0.49	0.48
1977	6.69	4.72	1.97	2.33	22.52	15.60	5.14	1.04	0.40	0.34
1978	6.57	4.52	2.05	2.18	22.58	15.83	5.20	0.94	0.34	0.27
1979	6.48	4.42	2.06	2.00	22.11	15.71	5.01	0.91	0.28	0.20
1980	6.20	4.09	2.11	1.82	21.46	15.36	4.87	0.85	0.22	0.16

1/ Now flavored fluid milk or flavored fluid skim milk depending on fat content.

2/ Yogurt included out-of-State sales prior to 1976.

3/ No longer Class 1 products.

MINIMUM PRICES

As specified in Division 21, Part 3, Chapter 2 of the Food and Agricultural Code of the State of California, the Bureau of Milk Stabilization establishes minimum prices to be paid to producers by handlers for market milk in the various usage classifications for each marketing area in the State.

Commencing August 1, 1978, minimum Class 1 prices were established by means of an economic formula. The factors used and their weights in the formula are as follows: Cost of production, 43%; Class 4 price, 42%; real net spendable earnings as published by the Employment Development Department for the Los Angeles-Long Beach metropolitan area, 15%. These Class 1 prices are calculated bimonthly by the Bureau of Milk Stabilization and are subject to change as a result of hearings.

Minimum class prices in effect during 1980 are shown in Tables 63 through 66.

TABLE 63. MINIMUM PRICES FOR CLASS 1 USAGE OF MARKET GRADE MILK, BY MARKETING AREAS, CALIFORNIA, 1980

Marketing Area	Producer Price, f.o.b. Plant (Cents) Lb. Fat	Lb. SNF	Lb. Fluid	Equivalent Producer Price per CWT. ($) 1/	Statewide Weighted Average Producer Price per CWT. ($) 2/
Jan. 1 - Jan. 31, 1980					13.00
Central Coast Counties	154.01	79.56	0.86	13.07	
Del Norte-Humboldt	154.01	79.56	0.99	13.18	
North Valley	153.51	79.56	0.71	12.92	
Redwood	154.01	79.56	0.70	12.93	
Siskiyou	163.01	75.06	0.95	13.07	
So. Valley-Central Valley	153.51	79.56	0.53	12.76	
Southern California	154.01	79.56	1.14	13.31	
Feb. 1 - March 31, 1980					13.01
Central Coast Counties	154.14	79.62	0.86	13.08	
Del Norte-Humboldt	154.14	79.62	0.99	13.19	
North Valley	153.64	79.62	0.71	12.93	
Redwood	154.14	79.62	0.70	12.94	
Siskiyou	163.14	75.12	0.95	13.08	
So. Valley-Central Valley	153.64	79.62	0.53	12.77	
Southern California	154.14	79.62	1.14	13.32	
April 1 - May 31, 1980					12.83
Central Coast Counties	152.16	78.82	0.82	12.90	
Del Norte-Humboldt	152.16	78.82	0.95	13.02	
North Valley	151.66	78.82	0.67	12.75	
Redwood	152.16	78.82	0.66	12.76	
Siskiyou	161.16	74.32	0.91	12.90	
So. Valley-Central Valley	151.66	78.82	0.49	12.60	
Southern California	152.16	78.82	1.10	13.15	
June 1 - July 31, 1980					13.27
Central Coast Counties	157.23	80.86	0.92	13.34	
Del Norte-Humboldt	157.23	80.86	1.05	13.46	
North Valley	156.73	80.86	0.77	13.20	
Redwood	157.23	80.86	0.76	13.20	
Siskiyou	166.23	76.36	1.01	13.35	
So. Valley-Central Valley	156.73	80.86	0.59	13.04	
Southern California	157.23	80.86	1.20	13.59	
August 1 - Sept. 30, 1980					13.59
Central Coast Counties	160.90	82.34	0.99	13.66	
Del Norte-Humboldt	160.90	82.34	1.12	13.78	
North Valley	160.40	82.34	0.84	13.52	
Redwood	160.90	82.34	0.83	13.52	
Siskiyou	169.90	77.84	1.08	13.67	
So. Valley-Central Valley	160.40	82.34	0.66	13.36	
Southern California	160.90	82.34	1.27	13.91	
Oct. 1 - Nov. 30, 1980					13.89
Central Coast Counties	164.34	83.72	1.06	13.97	
Del Norte-Humboldt	164.34	83.72	1.19	14.08	
North Valley	163.84	83.72	0.91	13.82	
Redwood	164.34	83.72	0.90	13.82	
So. Valley-Central Valley	163.84	83.72	0.73	13.66	
Southern California	164.34	83.72	1.34	14.21	
Dec. 1 - Dec. 31, 1980					13.94
Central Coast Counties	164.94	83.29	1.14	14.02	
Del Norte-Humboldt	164.94	83.29	1.27	14.15	
North Valley	164.44	83.29	0.99	13.87	
Redwood	164.94	83.29	0.98	13.88	
So. Valley-Central Valley	164.44	83.29	0.81	13.71	
Southern California	164.94	83.29	1.42	14.26	

1/ Based on 3.5% fat; 8.7% solids-not-fat; and 87.8% fluid.

2/ Weighted average based on marketing area of production.

TABLE 64. MINIMUM PRODUCER PRICES FOR CLASS 2, 3, AND 4 USAGE OF MILK FAT
F.O.B. DISTRIBUTOR'S PLANT, CALIFORNIA, 1980
Dollars per Pound of Milk Fat

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
						CLASS 2						
Southern California	1.5017	1.5017	1.5017	1.5017	1.5912	1.6127	1.6067	1.6067	1.6547	1.6493	1.6942	1.7057
No., So., & Central Valley, Redwood	1.4994	1.4994	1.4994	1.4994	1.5889	1.6104	1.6044	1.6044	1.6524	1.6470	1.6919	1.7034
Del Norte-Humboldt	1.4724	1.4724	1.4724	1.4724	1.5619	1.5834	1.5774	1.5774	1.6254	1.6200	1.6649	1.6764
Central Coast Counties	1.4999	1.4999	1.4999	1.4999	1.5894	1.6109	1.6049	1.6049	1.6529	1.6475	1.6924	1.7039
Siskiyou	1.4994	1.4994	1.4994	1.4994	1.5889	1.6104	1.6044	---	---	---	---	---
						CLASS 3						
Southern California	1.5017	1.5017	1.5017	1.5017	1.5912	1.6127	1.6067	1.6067	1.6547	1.6493	1.6942	1.7057
No., So., & Central Valley, Redwood	1.4994	1.4994	1.4994	1.4994	1.5889	1.6104	1.6044	1.6044	1.6524	1.6470	1.6919	1.7034
Del Norte-Humboldt	1.4724	1.4724	1.4724	1.4724	1.5619	1.5834	1.5774	1.5774	1.6254	1.6200	1.6649	1.6764
Central Coast Counties	1.4999	1.4999	1.4999	1.4999	1.5894	1.6109	1.6049	1.6049	1.6529	1.6475	1.6924	1.7039
Siskiyou	1.4724	1.4724	1.4724	1.4724	1.5619	1.5834	1.5774	---	---	---	---	---
						CLASS 4						
All Areas	1.4724	1.4724	1.4724	1.5619	1.5834	1.5774	1.5774	1.6254	1.6200	1.6649	1.6764	1.6764

TABLE 65. MINIMUM PRODUCER PRICES FOR CLASS 2, 3, AND 4 USAGE OF SOLIDS-NOT-FAT
F.O.B. DISTRIBUTOR'S PLANT, CALIFORNIA, 1980
Dollars per Pound of Solids-Not-Fat

						CLASS 2						
Southern California	0.7725	0.7727	0.7732	0.7735	0.8157	0.8261	0.8081	0.8084	0.8084	0.8085	0.8453	0.8357
No., So., & Central Valley, Redwood	0.7467	0.7469	0.7474	0.7477	0.7899	0.8003	0.7823	0.7826	0.7826	0.7827	0.8195	0.8099
Del Norte-Humboldt	0.7423	0.7425	0.7430	0.7433	0.7855	0.7959	0.7779	0.7782	0.7782	0.7783	0.8151	0.8055
Central Coast Counties	0.7526	0.7528	0.7533	0.7536	0.7958	0.8062	0.7882	0.7885	0.7885	0.7886	0.8254	0.8158
Siskiyou	0.7459	0.7461	0.7466	0.7469	0.7891	0.7995	0.7815	---	---	---	---	---
						CLASS 3						
Southern California	0.7410	0.7412	0.7417	0.7420	0.7842	0.7946	0.7766	0.7769	0.7769	0.7770	0.8138	0.8042
No., So., & Central Valley, Redwood	0.7410	0.7412	0.7417	0.7420	0.7842	0.7946	0.7766	0.7769	0.7769	0.7770	0.8138	0.8042
Del Norte-Humboldt	0.7410	0.7412	0.7417	0.7420	0.7842	0.7946	0.7766	0.7769	0.7769	0.7770	0.8138	0.8042
Central Coast Counties	0.7410	0.7412	0.7417	0.7420	0.7842	0.7946	0.7766	0.7769	0.7769	0.7770	0.8138	0.8042
Siskiyou	0.7410	0.7412	0.7417	0.7420	0.7842	0.7946	0.7766	---	---	---	---	---
						CLASS 4						
All Areas	0.7026	0.7031	0.7034	0.7456	0.7560	0.7380	0.7383	0.7383	0.7384	0.7752	0.7656	0.7657

TABLE 66. EQUIVALENT MINIMUM PRODUCER PRICES FOR CLASS 2, 3, AND 4 USAGE OF MILK
F.O.B. DISTRIBUTOR'S PLANT, CALIFORNIA, 1980
(Basis of 3.5% milk fat and 8.7% solids-not-fat)
Dollars per Hundredweight

Marketing Area	January	February	March	April	May	June	July	August	September	October	November	December
					CLASS 2							
Southern California	11.98	11.98	11.98	11.98	12.66	12.83	12.65	12.66	12.82	12.81	13.28	13.24
No., So., & Central Valley, Redwood	11.74	11.74	11.75	11.75	12.43	12.60	12.42	12.42	12.59	12.57	13.05	13.01
Del Norte-Humboldt	11.61	11.61	11.62	11.62	12.30	12.47	12.29	12.29	12.46	12.44	12.92	12.88
Central Coast Counties	11.80	11.80	11.80	11.80	12.49	12.65	12.47	12.48	12.64	12.63	13.10	13.06
Siskiyou	11.74	11.74	11.74	11.74	12.43	12.59	12.41	---	---	---	---	---
					CLASS 3							
Southern California	11.70	11.70	11.71	11.71	12.39	12.56	12.38	12.38	12.55	12.53	13.01	12.97
No., So., & Central Valley, Redwood	11.69	11.70	11.70	11.70	12.38	12.55	12.37	12.37	12.54	12.52	13.00	12.96
Del Norte-Humboldt	11.60	11.60	11.61	11.61	12.29	12.45	12.28	12.28	12.45	12.43	12.91	12.86
Central Coast Counties	11.70	11.70	11.70	11.70	12.38	12.55	12.37	12.38	12.54	12.53	13.00	12.96
Siskiyou	11.60	11.60	11.61	11.61	12.29	12.45	12.28	---	---	---	---	---
					CLASS 4							
All Areas	11.27	11.27	11.27	11.95	12.12	11.94	11.94	12.11	12.09	12.57	12.53	12.53

SALES OF MARKET WHOLE MILK AND LOWFAT MILK BY SIZE AND TYPE OF CONTAINER, AND BY TYPE OF TRADE

In October 1980, all market milk distributors in California were requested to complete a special one-page form relating to their sales of market whole milk and lowfat milk by size and type of container and by type of trade. A similar survey for the month of October has been made each year since 1951.

This report contains summary tabulations of the data reported on these special forms for October 1980. In these tables, all sales are expressed in gallon units. For example, sales in quarts represent the number of gallons sold in quarts rather than the number of quarts sold. This results in greater comparability and facilitates the computation of percentage distributions.

Sales by type of trade were reported under the headings of wholesale, retail, cash-and-carry, peddler and Federal Government. Since some routes, particularly for the smaller distributors and some of the peddlers, were probably "combination" routes, it seems likely that all sales are not properly classified as to type of trade. However, this factor is so small that it does not appear to have had any significant effect upon the overall results.

Users of these data should note that the survey summaries *do not include all sales of fluid milk in California.* For the State as a whole, they account for a sample of approximately 97.5 percent of all market whole milk and lowfat milk sales in California.

TABLE 67. REPORTED SALES OF MARKET WHOLE MILK AND LOWFAT MILK, BY SIZE AND TYPE OF CONTAINER AND BY TYPE OF TRADE, IN CALIFORNIA, OCTOBER 1980
(gallons)

Size and Type of Container	Wholesale	Retail	Cash-and -Carry	Peddler	Federal Government	Total
Bulk, dispensing	1,087,000	756	132	348,766	337,459	1,774,113
Bulk, other	4,831	---	882	1,326	---	7,039
10-Qt. container	55,805	323	9,870	37,136	828	103,962
Gallon container	23,307,885	16,360	141,732	1,726,093	241,370	25,433,440
Paper	11,221	28	6,029	---	---	17,278
Molded plastic	23,296,664	16,332	135,703	1,726,093	241,370	25,416,162
1/2-gal. container	16,288,283	150,200	205,666	2,560,109	659,115	19,863,373
Glass	4,014	86,185	53,778	130,989	---	274,966
Paper	15,491,690	62,044	99,777	2,164,176	659,115	18,476,802
Molded plastic	792,579	1,971	52,111	264,944	---	1,111,605
Quart container	2,766,174	11,586	10,436	430,474	32,512	3,251,182
Glass	1,196	7,385	1,999	18,671	---	29,251
Paper	2,764,778	4,201	6,361	411,803	32,512	3,219,655
Molded plastic	200	---	2,076	---	---	2,276
Pint container	875,344	489	1,609	247,813	6,321	1,131,576
1/3-qt. container	980,252	1,185	6,040	398,447	24,845	1,410,769
1/2-pt. container	2,703,367	3,435	11,162	919,915	49,459	3,687,338
Total gallons	48,068,941	184,334	387,529	6,670,079	1,351,909	56,662,792
			(Percent of total gallons)			
Bulk, dispensing	2.3	.4	*	5.2	25.0	3.1
Bulk, other	*	---	.2	*	---	*
10-qt. container	.1	.2	2.6	.5	.1	.2
Gallon container	48.5	8.9	36.6	25.9	17.8	44.9
Paper	*	*	1.6	---	---	*
Molded plastic	48.5	8.9	35.0	25.9	17.8	44.9
1/2-gal. container	33.9	81.5	53.0	38.4	48.8	35.1
Glass	*	46.8	13.9	2.0	---	.5
Paper	32.2	33.6	25.7	32.4	48.8	32.6
Molded plastic	1.7	1.1	13.4	4.0	---	2.0
Qt. container	5.8	6.3	2.7	6.5	2.4	5.7
Glass	*	4.0	.5	.3	---	*
Paper	5.8	2.3	1.7	6.2	2.4	5.7
Molded plastic	*	---	.5	---	---	*
Pint container	1.8	.2	.4	3.7	.5	2.0
1/3-qt. container	2.0	.6	1.6	6.0	1.8	2.5
1/2-pt. container	5.6	1.9	2.9	13.8	3.6	6.5
Total	100.0	100.0	100.0	100.0	100.0	100.0

* Less than 0.05 percent

PLANTS REPORTING SALES OF FLUID MARKET MILK

The number of plants reporting sales of fluid market milk during the month of December by county of plant location for the years 1971 through 1980 is shown in Table 68. During these ten years, the number of plants was reduced from 299 in 1971 to 94 in 1980, a decline of 68.6 percent.

TABLE 68. NUMBER OF PLANTS REPORTING SALES OF FLUID MARKET MILK, BY COUNTIES OF PLANT LOCATION, CALIFORNIA, DECEMBER, 1971 - 1980

County	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Del Norte	1	1	1	1	1	1	1	1	1	1
Humboldt	3	3	3	3	3	3	2	2	2	2
Mendocino	3	3	2	2	2	2	2	2	2	1
Shasta	4	5	4	3	2	2	2	2	2	2
Siskiyou	1	1	1	1	1	1	1	1	1	1
Trinity	—	—	—	—	—	—	—	—	—	—
Lassen	1	1	1	1	—	—	—	—	—	—
Modoc	—	—	—	—	—	—	—	—	—	—
Plumas	—	—	—	—	—	—	—	—	—	—
Alameda	21	20	16	13	11	9	9	7	7	7
Contra Costa	6	6	6	5	5	4	3	3	3	1
Lake	—	—	—	—	—	—	—	—	—	—
Marin	1	1	—	—	—	—	—	—	—	—
Monterey	3	3	2	2	2	2	2	2	2	2
Napa	2	1	1	1	1	1	1	1	1	1
San Benito	—	—	—	—	—	—	—	—	—	—
San Francisco	7	6	5	3	3	3	2	1	1	1
San Luis Obispo	2	2	2	2	2	2	2	2	2	2
San Mateo	1	1	1	1	1	1	1	—	—	—
Santa Clara	12	11	10	8	8	7	6	5	5	3
Santa Cruz	2	1	1	2	1	1	1	1	1	1
Sonoma	8	8	8	7	7	6	6	6	6	5
Butte	2	2	1	1	1	1	1	1	1	1
Colusa	—	—	—	—	—	—	—	—	—	—
Glenn	—	—	—	—	—	—	—	—	—	—
Sacramento	8	8	6	6	5	5	5	5	5	5
Solano	1	1	1	1	—	—	—	—	—	—
Sutter	—	—	—	—	—	—	—	—	—	—
Tehama	1	1	1	1	1	1	1	—	—	—
Yolo	—	—	—	—	—	—	—	—	—	—
Yuba	—	—	—	—	—	—	—	—	—	—
Fresno	13	13	10	9	9	7	5	5	5	5
Kern	7	6	4	4	4	3	3	3	3	3
Kings	1	1	1	1	—	—	—	—	—	—
Madera	2	1	1	1	1	1	—	—	—	—
Merced	2	2	2	2	2	1	—	—	—	—
San Joaquin	8	8	5	4	4	4	2	2	2	1
Stanislaus	1	2	2	2	2	2	2	2	2	2
Tulare	4	4	3	3	2	1	—	—	—	—
Alpine	—	—	—	—	—	—	—	—	—	—
Amador	—	—	—	—	—	—	—	—	—	—
Calaveras	—	—	—	—	—	—	—	—	—	—
El Dorado	—	—	—	—	—	—	—	—	—	—
Inyo	1	1	1	—	—	—	—	—	—	—
Mariposa	—	—	—	—	—	—	—	—	—	—
Mono	—	—	—	—	—	—	—	—	—	—
Nevada	—	—	—	—	—	—	—	—	—	—
Placer	2	2	1	—	—	—	—	—	—	—
Sierra	—	—	—	—	—	—	—	—	—	—
Tuolumne	—	—	—	—	—	—	—	—	—	—
Imperial	1	1	1	1	1	—	—	—	—	—
Los Angeles	90	85	71	63	51	43	37	35	35	29
Orange	18	16	13	10	9	8	8	7	7	5
Riverside	14	13	13	11	10	8	6	5	5	4
San Bernardino	24	21	19	16	12	10	10	4	4	3
San Diego	13	9	9	7	7	7	7	5	5	5
Santa Barbara	4	3	3	3	3	2	1	—	—	—
Ventura	4	4	4	4	3	2	1	1	1	1
Total	299	278	236	205	177	151	130	111	111	94

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